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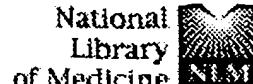
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Mol Cell Biol. 2003 Jun;23(11):3753-62.

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 **A transgenic model to determine the physiological role of liver-derived insulin-like growth factor I.**

Minerva Endocrinol. 2002 Dec;27(4):299-311. Review.

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 **Albutropin: a growth hormone-albumin fusion with improved pharmacokinetics and pharmacodynamics in rats and monkeys.**

Eur J Pharmacol. 2002 Dec 5;456(1-3):149-58.

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 **Characterization of gsp-mediated growth hormone excess in the context of McCune-Albright syndrome.**

J Clin Endocrinol Metab. 2002 Nov;87(11):5104-12.

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J Renin Angiotensin Aldosterone Syst. 2000 Jun;1(2):166-74.
PMID: 11967809 [PubMed - indexed for MEDLINE]

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Biotechnol Bioeng. 2001 Aug 20;74(4):335-43.
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Hum Reprod Update. 2001 May-Jun;7(3):303-13. Review.
PMID: 11392377 [PubMed - indexed for MEDLINE]

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Endocrinology. 2001 Jun;142(6):2577-85.
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J Pediatr Endocrinol Metab. 2000;13 Suppl 6:1431-7. Review.
PMID: 11202220 [PubMed - indexed for MEDLINE]

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Gen Comp Endocrinol. 2000 Sep;119(3):265-75.
PMID: 11017774 [PubMed - indexed for MEDLINE]

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Intern Med. 2000 Aug;39(8):641-5.
PMID: 10939538 [PubMed - indexed for MEDLINE]

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Science. 2000 Feb 4;287(5454):816-7. No abstract available.
PMID: 10691557 [PubMed - indexed for MEDLINE]

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PMID: 10657290 [PubMed - indexed for MEDLINE]

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 Growth hormone-mediated regulation of insulin-like growth factor I promoter activity in C6 glioma cells.
Endocrinology. 1999 Jul;140(7):3073-81.
PMID: 10385399 [PubMed - indexed for MEDLINE]

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 Insulin receptor substrate-1 enhances growth hormone-induced proliferation.
Endocrinology. 1999 May;140(5):1972-83.
PMID: 10218944 [PubMed - indexed for MEDLINE]

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 Molecular mechanisms of the negative effect of insulin-like growth factor-I on growth hormone gene expression in MtT/S somatotroph cells.
Endocrinology. 1999 Jan;140(1):344-9.
PMID: 9886844 [PubMed - indexed for MEDLINE]

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 An endocrine-exocrine switch in the activity of the pancreatic homeodomain protein PDX1 through formation of a trimeric complex with PDX1b and MRG1 (MEIS2).
Mol Cell Biol. 1998 Sep;18(9):5109-20.
PMID: 9710595 [PubMed - indexed for MEDLINE]

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 The alpha-smooth muscle actin promoter: a useful tool to analyse autocrine and paracrine roles of mesenchymal cells in normal and diseased bowel.
Gut. 1998 Mar;42(3):320-2. Review.
PMID: 9577334 [PubMed - indexed for MEDLINE]

23: Chen JY, Tsai HL, Chang CY, Wang JL, Shen SC, Wu JL. [Related Articles](#) [Links](#)

 Isolation and characterization of tilapia (*Oreochromis mossambicus*) insulin-like growth factors gene and proximal promoter region.
DNA Cell Biol. 1998 Apr;17(4):359-76.
PMID: 9570153 [PubMed - indexed for MEDLINE]

24: Kim SO, Jiang J, Yi W, Feng GS, Frank SJ. [Related Articles](#) [Links](#)

 Involvement of the Src homology 2-containing tyrosine phosphatase SHP-2 in growth hormone signaling.
J Biol Chem. 1998 Jan 23;273(4):2344-54.
PMID: 9442080 [PubMed - indexed for MEDLINE]

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 Interactions of insulin-like growth factor (IGF)-II and growth hormone in vivo: circulating levels of IGF-I and IGF-binding proteins in transgenic mice.
Eur J Endocrinol. 1997 Dec;137(6):701-8.
PMID: 9437240 [PubMed - indexed for MEDLINE]

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Regulation of insulin-like growth factor I (IGF-I) gene expression in brain

 of transgenic mice expressing an IGF-I-luciferase fusion gene.
Endocrinology. 1997 Dec;138(12):5466-75.
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 27: [Jacobs ML, Chandrashekhar V, Bartke A, Weber RE](#) Related Articles, Links
Early effects of streptozotocin-induced diabetes on insulin-like growth factor-I in the kidneys of growth hormone-transgenic and growth hormone-deficient dwarf mice.
Exp Nephrol. 1997 Jul-Aug;5(4):337-44.
PMID: 9259189 [PubMed - indexed for MEDLINE]

 28: [Polyak SW, Forsberg G, Forbes BE, McNeil KA, Aplin SE, Wallace JC](#) Related Articles, Links
Introduction of spacer peptides N-terminal to a cleavage recognition motif in recombinant fusion proteins can improve site-specific cleavage.
Protein Eng. 1997 Jun;10(6):615-9.
PMID: 9278273 [PubMed - indexed for MEDLINE]

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A longitudinal assessment of hormonal and physical alterations during normal puberty in boys. II. Estrogen levels as determined by an ultrasensitive bioassay.
J Clin Endocrinol Metab. 1996 Sep;81(9):3203-7.
PMID: 8784070 [PubMed - indexed for MEDLINE]

 30: [Le Gac F, Loir M, le Bail PY, Ollitrault M](#) Related Articles, Links
Insulin-like growth factor (IGF-I) mRNA and IGF-I receptor in trout testis and in isolated spermatogenic and Sertoli cells.
Mol Reprod Dev. 1996 May;44(1):23-35.
PMID: 8722689 [PubMed - indexed for MEDLINE]

 31: [Kilgour E, Gout I, Anderson NG](#) Related Articles, Links
Requirement for phosphoinositide 3-OH kinase in growth hormone signalling to the mitogen-activated protein kinase and p70s6k pathways.
Biochem J. 1996 Apr 15;315 (Pt 2):517-22.
PMID: 8615823 [PubMed - indexed for MEDLINE]

 32: [Lochnan HA, Butcau H, Richards S, Edery M, Kelly PA](#) Related Articles, Links
Functional activity of the human prolactin receptor and its ligands.
Mol Cell Endocrinol. 1995 Oct 30;114(1-2):91-9.
PMID: 8674856 [PubMed - indexed for MEDLINE]

 33: [Szabo M, Butz MR, Banerjee SA, Chikaraishi DM, Frohman LA](#) Related Articles, Links
Autofeedback suppression of growth hormone (GH) secretion in transgenic mice expressing a human GH reporter targeted by tyrosine hydroxylase 5'-flanking sequences to the hypothalamus.
Endocrinology. 1995 Sep;136(9):4044-8.
PMID: 7649113 [PubMed - indexed for MEDLINE]

 34: [Berlin I, Chalon S, Payan C, Schöllhammer G, Cesselin F, Yarchoaux O, Puech AJ](#) Related Articles, Links
Evaluation of the alpha 2-adrenoceptor blocking properties of buspirone and ipsapirone in healthy subjects. Relationship with the plasma concentration of the common metabolite 1-(2-pyrimidinyl)-piperazine.
Br J Clin Pharmacol. 1995 Mar;39(3):243-9.
PMID: 7619663 [PubMed - indexed for MEDLINE]

 35: [Lopez MJ, Upchurch BH, Rindi G, Leiter AB](#) Related Articles, Links

 Studies in transgenic mice reveal potential relationships between secretin-producing cells and other endocrine cell types.
J Biol Chem. 1995 Jan 13;270(2):885-91.
PMID: 7822327 [PubMed - indexed for MEDLINE]

 36: [Rokaeus A, Waschek JA](#) [Related Articles](#) [Links](#)
 Primary sequence and functional analysis of the bovine galanin gene promoter in human neuroblastoma cells.
DNA Cell Biol. 1994 Aug;13(8):845-55.
PMID: 7520703 [PubMed - indexed for MEDLINE]

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 Growth hormone regulation of lipid metabolism in cells transfected with growth hormone receptor cDNA.
Mol Cell Endocrinol. 1994 Feb;99(1):111-7.
PMID: 8187953 [PubMed - indexed for MEDLINE]

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 Position and orientation-selective silencer in protein-coding sequences of the rat osteocalcin gene.
Biochemistry. 1993 Dec 14;32(49):13636-43.
PMID: 7504955 [PubMed - indexed for MEDLINE]

 39: [Valera A, Rodriguez-Gil JE, Yun JS, McGrane MM, Hanson RW, Bosch F](#) [Related Articles](#) [Links](#)
 Glucose metabolism in transgenic mice containing a chimeric P-enolpyruvate carboxykinase/bovine growth hormone gene.
FASEB J. 1993 Jun;7(9):791-800.
PMID: 8330686 [PubMed - indexed for MEDLINE]

 40: [Lloyd RV, Jin L, Chang A, Kulig E, Camper SA, Ross BD, Downs TR, Frohman LA](#) [Related Articles](#) [Links](#)
 Morphologic effects of hGRH gene expression on the pituitary, liver, and pancreas of MT-hGRH transgenic mice. An in situ hybridization analysis.
Am J Pathol. 1992 Oct;141(4):895-906.
PMID: 1415483 [PubMed - indexed for MEDLINE]

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 Solubilization of growth hormone and other recombinant proteins from *Escherichia coli* inclusion bodies by using a cationic surfactant.
Biochem J. 1992 Aug 1;285 (Pt 3):871-9.
PMID: 1497625 [PubMed - indexed for MEDLINE]

 42: [Francis GL, Ross M, Ballard FJ, Milner SJ, Senn C, McNeil KA, Wallace JC, King R, Wells JR](#) [Related Articles](#) [Links](#)
 Novel recombinant fusion protein analogues of insulin-like growth factor (IGF)-I indicate the relative importance of IGF-binding protein and receptor binding for enhanced biological potency.
J Mol Endocrinol. 1992 Jun;8(3):213-23.
PMID: 1378742 [PubMed - indexed for MEDLINE]

 43: [Hall LJ, Kajimoto Y, Bichell D, Kim SW, James PL, Counts D, Nixon LJ, Tobin G, Rotwein P](#) [Related Articles](#) [Links](#)
 Functional analysis of the rat insulin-like growth factor I gene and identification of an IGF-I gene promoter.
DNA Cell Biol. 1992 May;11(4):301-13.
PMID: 1605853 [PubMed - indexed for MEDLINE]

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A recombinant-DNA-derived modification of human growth hormone (hGH44-191) with enhanced diabetogenic activity. Mol Cell Endocrinol. 1991 Jun;78(1-2):45-54. PMID: 1936524 [PubMed - indexed for MEDLINE]

45: Wolf E., Rapp K., Brem G. Related Articles, Links

Expression of metallothionein-human growth hormone fusion genes in transgenic mice results in disproportionate skeletal gigantism. Growth Dev Aging. 1991 Summer;55(2):117-27. PMID: 1938045 [PubMed - indexed for MEDLINE]

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Somatostatin gene expression in pancreatic islet cells is directed by cell-specific DNA control elements and DNA-binding proteins. J Biol Chem. 1989 Jun 15;264(17):10048-56. PMID: 2566613 [PubMed - indexed for MEDLINE]

47: Miller K.F., Bolt D.J., Pursel V.G., Hammer R.E., Pinkert C.A., Palmiter R.D., Brinster R.L. Related Articles, Links

Expression of human or bovine growth hormone gene with a mouse metallothionein-1 promoter in transgenic swine alters the secretion of porcine growth hormone and insulin-like growth factor-1. J Endocrinol. 1989 Mar;120(3):481-8. PMID: 2926315 [PubMed - indexed for MEDLINE]

48: Vigneron P., Dainat J., Bacou F. Related Articles, Links

[Properties of skeletal muscle fibers. II. Hormonal influences] Reprod Nutr Dev. 1989;29(1):27-53. Review. French. PMID: 2648515 [PubMed - indexed for MEDLINE]

49: Mathews L.S., Hammer R.E., Brinster R.L., Palmiter R.D. Related Articles, Links

Expression of insulin-like growth factor I in transgenic mice with elevated levels of growth hormone is correlated with growth. Endocrinology. 1988 Jul;123(1):433-7. PMID: 3383777 [PubMed - indexed for MEDLINE]

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Efficient cleavage by alpha-thrombin of a recombinant fused protein which contains insulin-like growth factor I. Protein Eng. 1987 Dec;1(6):487-92. PMID: 3334100 [PubMed - indexed for MEDLINE]

52: Cwikel B.J., Habener J.F. Related Articles, Links

Provasopressin-neurophysin II processing is cell-specific in heterologous cell lines expressing a metallothionein-vasopressin fusion gene. J Biol Chem. 1987 Oct 15;262(29):14235-40. PMID: 3654660 [PubMed - indexed for MEDLINE]

53: Bayne M.L., Cascieri M.A., Kelder B., Applebaum J., Chicchi G., Shapiro J.A., Pasleau F., Kopchick J.J. Related Articles, Links

 Expression of a synthetic gene encoding human insulin-like growth factor I in cultured mouse fibroblasts.
Proc Natl Acad Sci U S A. 1987 May;84(9):2638-42.
PMID: 3033657 [PubMed - indexed for MEDLINE]

 **54:** Welsh M, Hammer RE, Brinster RL, Steiner DE. Related Articles, Links
 Stimulation of growth hormone synthesis by glucose in islets of Langerhans isolated from transgenic mice.
J Biol Chem. 1986 Oct 5;261(28):12915-7.
PMID: 3531193 [PubMed - indexed for MEDLINE]

 **55:** Binoux M, Gourmelen M, Girard E. Related Articles, Links
 Serum levels of insulin-like growth factor (IGF) and IGF-binding protein in constitutionally short children and adolescents.
Acta Endocrinol (Copenh). 1986 Sep;113(1):145-52.
PMID: 2429488 [PubMed - indexed for MEDLINE]

 **56:** Messing A, Chen HY, Palmiter RD, Brinster RL. Related Articles, Links
 Peripheral neuropathies, hepatocellular carcinomas and islet cell adenomas in transgenic mice.
Nature. 1985 Aug 1-7;316(6027):461-3.
PMID: 2991772 [PubMed - indexed for MEDLINE]

 **57:** Palmiter RD, Norstedt G, Gelinas RE, Hammer RE, Brinster RL. Related Articles, Links
 Metallothionein-human GH fusion genes stimulate growth of mice.
Science. 1983 Nov 18;222(4625):809-14. Review.
PMID: 6356363 [PubMed - indexed for MEDLINE]

 **58:** Gospodarowicz D, Weseman J, Moran JS, Lindstrom J. Related Articles, Links
 Effect of fibroblast growth factor on the division and fusion of bovine myoblasts.
J Cell Biol. 1976 Aug;70(2 pt 1):395-405.
PMID: 945805 [PubMed - indexed for MEDLINE]

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Ciba Found Symp. 1976;41:31-59. Review.
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Binding of human growth hormone (GH)-variant (placental GH) to GH-binding proteins in human plasma. *J Clin Endocrinol Metab*. 1991 Dec;73(6):1175-9.
PMID: 1955498 [PubMed - indexed for MEDLINE]

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PMID: 1702419 [PubMed - indexed for MEDLINE]

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Developmental regulation and tissue-specific expression of a chimaeric phosphoenolpyruvate carboxykinase/bovine growth hormone gene in transgenic animals. *J Reprod Fertil Suppl*. 1990;41:17-23. Review.
PMID: 2213709 [PubMed - indexed for MEDLINE]

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Hormonal regulation of chimeric genes containing the phosphoenolpyruvate carboxykinase promoter regulatory region in hepatoma cells infected by murine retroviruses. *J Biol Chem*. 1988 Nov 25;263(33):17798-808.
PMID: 2846579 [PubMed - indexed for MEDLINE]

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 **Tissue-specific expression and dietary regulation of a chimeric phosphoenolpyruvate carboxykinase/bovine growth hormone gene in transgenic mice.**

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J Biol Chem. 1996 Mar 29;271(13):7529-34.

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J Clin Endocrinol Metab. 1991 Dec;73(6):1175-9.

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 cDNA cloning and functional expression of growth hormone receptor from soft-shelled turtle (*Pelodiscus sinensis japonicus*). [Gen Comp Endocrinol. 2000 Sep;119\(3\):265-75.](#) PMID: 11017774 [PubMed - indexed for MEDLINE]

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 A patient of hypogonadotropic hypogonadism accompanied by growth hormone deficiency and decreased bone mineral density who attained normal growth. [Intern Med. 2000 Aug;39\(8\):641-5.](#) PMID: 10939538 [PubMed - indexed for MEDLINE]

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 Regulation of protein secretion through controlled aggregation in the endoplasmic reticulum. [Science. 2000 Feb 4;287\(5454\):826-30.](#) PMID: 10657290 [PubMed - indexed for MEDLINE]

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 Insulin receptor substrate-1 enhances growth hormone-induced proliferation. [Endocrinology. 1999 May;140\(5\):1972-83.](#) PMID: 10218944 [PubMed - indexed for MEDLINE]

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 An endocrine-exocrine switch in the activity of the pancreatic homeodomain protein PDX1 through formation of a trimeric complex with PBX1b and MRG1 (MEIS2). [Mol Cell Biol. 1998 Sep;18\(9\):5109-20.](#) PMID: 9710595 [PubMed - indexed for MEDLINE]

 14: [Kim SO, Jiang J, Yi W, Feng GS, Frank SJ.](#) [Related Articles](#), [Links](#)

 Involvement of the Src homology 2-containing tyrosine phosphatase SHP-2 in growth hormone signaling. [J Biol Chem. 1998 Jan 23;273\(4\):2344-54.](#) PMID: 9442080 [PubMed - indexed for MEDLINE]

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 Studies in transgenic mice reveal potential relationships between secretin-producing cells and other endocrine cell types. [J Biol Chem. 1995 Jan 13;270\(2\):885-91.](#) PMID: 7822327 [PubMed - indexed for MEDLINE]

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 A recombinant-DNA-derived modification of human growth hormone (hGH44-191) with enhanced diabetogenic activity. [Mol Cell Endocrinol. 1991 Jun;78\(1-2\):45-54.](#) PMID: 1936524 [PubMed - indexed for MEDLINE]

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 Somatostatin gene expression in pancreatic islet cells is directed by cell-specific DNA control elements and DNA-binding proteins.
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PMID: 2566613 [PubMed - indexed for MEDLINE]

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 Progress on gene transfer in farm animals.
Vet Immunol Immunopathol. 1987 Dec;17(1-4):303-12.
PMID: 3481144 [PubMed - indexed for MEDLINE]

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 Efficient cleavage by alpha-thrombin of a recombinant fused protein which contains insulin-like growth factor I.
Protein Eng. 1987 Dec;1(6):487-92.
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 Metallothionein-human GH fusion genes stimulate growth of mice.
Science. 1983 Nov 18;222(4625):809-14. Review.
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2: Wu X, Herndon DN, Wolf SE. Growth hormone down-regulation of Interleukin-1beta and Interleukin-6 induced acute phase protein gene expression is associated with increased gene expression of suppressor of cytokine signal-3. *Shock*. 2003 Apr;19(4):314-20. PMID: 12688541 [PubMed - indexed for MEDLINE]

3: Gong FY, Deng JY, Shi YF, Zhang DX. [The Effect of Cytokines on Expression of Growth Hormone Gene in Rat Pituitary GH(3) Cells] Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai). 2003 Apr;35(4):375-80. Chinese. PMID: 12673394 [PubMed - indexed for MEDLINE]

4: Huang Y, Kim SO, Jiang J, Frank SJ. Growth hormone-induced phosphorylation of epidermal growth factor (EGF) receptor in 3T3-F442A cells. Modulation of EGF-induced trafficking and signaling. *J Biol Chem*. 2003 May 23;278(21):18902-13. Epub 2003 Mar 14. PMID: 12642595 [PubMed - indexed for MEDLINE]

5: Suh CW, Choi GS, Lee EK. Enzymic cleavage of fusion protein using immobilized urokinase covalently conjugated to glyoxyl-agarose. *Biotechnol Appl Biochem*. 2003 Apr;37(Pt 2):149-55. PMID: 12630903 [PubMed - in process]

6: Graichen R, Sandstedt J, Goh EL, Isaksson OG, Tornell J, Lobic PE. The growth hormone-binding protein is a location-dependent cytokine receptor transcriptional enhancer. *J Biol Chem*. 2003 Feb 21;278(8):6346-54. Epub 2002 Dec 17. PMID: 12488452 [PubMed - indexed for MEDLINE]

7: Osbom BL, Sekut L, Corcoran M, Poortman C, Sturm B, Chen G, Mather D, Lin HL, Party JJ. Albutropin: a growth hormone-albumin fusion with improved pharmacokinetics and pharmacodynamics in rats and monkeys. *Eur J Pharmacol*. 2002 Dec 5;456(1-3):149-58. PMID: 12450581 [PubMed - indexed for MEDLINE]

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Refolding of protein inclusion bodies directly from *E. coli* homogenate using expanded bed adsorption chromatography. *Bioseparation*. 2001;10(4-5):189-96.
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Localization of a negative vitamin D response sequence in the human growth hormone gene. *Biochem Biophys Res Commun*. 2002 Mar 22;292(1):250-5.
PMID: 11890700 [PubMed - indexed for MEDLINE]

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A novel type I cytokine receptor is expressed on monocytes, signals

 proliferation, and activates STAT-3 and STAT-5.
J Biol Chem. 2002 May 10;277(19):16831-6. Epub 2002 Mar 04.
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 **Identification of the regulatory regions of the human aromatase P450 (CYP19) gene involved in placenta-specific expression.**
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 **The milk protein promoter is a useful tool for developing a rat with tolerance to a human protein.**
Transgenic Res. 2001 Dec;10(6):571-5.
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Exp Anim. 2001 Oct;50(5):365-9.
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Horm Res. 2001;55(2):71-6.
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Gene. 2001 May 30;270(1-2):121-9.
PMID: 11404009 [PubMed - indexed for MEDLINE]

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Arch Microbiol. 2001 Apr;175(4):295-300.
PMID: 11382225 [PubMed - indexed for MEDLINE]

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Exp Anim. 2001 Apr;50(2):125-31.
PMID: 11381615 [PubMed - indexed for MEDLINE]

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 A highly conserved sequence essential for translational repression of the protamine 1 messenger rna in murine spermatids.
Biol Reprod. 2001 Jun;64(6):1784-9.
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Cytometry. 2001 May 1;44(1):1-6.
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 Delayed closure of epiphyseal cartilages induced by the aromatase inhibitor anastrozole. Would it help short children grow up?
J Endocrinol Invest. 2000 Dec;23(11):721-3.
PMID: 11194703 [PubMed - indexed for MEDLINE]

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 Green fluorescent proteins light the way to a better understanding of the function and regulation of specific anterior pituitary cells.
Endocrinology. 2000 Dec;141(12):4331-3. Review. No abstract available.
PMID: 11108239 [PubMed - indexed for MEDLINE]

34: [Chan JS, Wang TT, Zhang SL, Chen X, Carriere S](#) [Related Articles](#) [Links](#)

 Catecholamines and angiotensinogen gene expression in kidney proximal tubular cells.
Mol Cell Biochem. 2000 Sep;212(1-2):73-9. Review.
PMID: 11108138 [PubMed - indexed for MEDLINE]

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 A mammalian expression vector for expression and purification of secreted proteins for structural studies.
Protein Expr Purif. 2000 Dec;20(3):500-6.
PMID: 11087690 [PubMed - indexed for MEDLINE]

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 Inhibition of oncogene STAT3 phosphorylation by a prolactin antagonist, hPRL-G129R, in T-47D human breast cancer cells.
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 Effects of operating parameters in in vitro renaturation of a fusion protein of human growth hormone and glutathione S transferase from inclusion body.
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PMID: 10996175 [PubMed - as supplied by publisher]

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 Myostatin regulation during skeletal muscle regeneration.
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 A 278 bp region just upstream of the human CYP19 (aromatase) gene mediates ovary-specific expression in transgenic mice.
Endocrinology. 2000 Jun;141(6):2050-3.
PMID: 10830289 [PubMed - indexed for MEDLINE]

 42: [Kokoris MS, Sabo P, Black ME.](#) [Related Articles](#), [Links](#)

 In vitro evaluation of mutant HSV-1 thymidine kinases for suicide gene therapy.
Anticancer Res. 2000 Mar-Apr;20(2A):959-63.
PMID: 10810381 [PubMed - indexed for MEDLINE]

 43: [Weiss GA, Wells JA, Sidhu SS.](#) [Related Articles](#), [Links](#)

 Mutational analysis of the major coat protein of M13 identifies residues that control protein display.
Protein Sci. 2000 Apr;9(4):647-54.
PMID: 10794407 [PubMed - indexed for MEDLINE]

 44: [Peterson FC, Brooks CL.](#) [Related Articles](#), [Links](#)

 The species specificity of growth hormone requires the cooperative interaction of two motifs.
FEBS Lett. 2000 Apr 28;472(2-3):276-82.
PMID: 10788626 [PubMed - indexed for MEDLINE]

 45: [Holz RW, Huhbek MD, Sorensen SD, Fisher SK, Balla T, Ozaki S, Prestwich GD, Stuenkel EL, Bittner MA.](#) [Related Articles](#), [Links](#)

A pleckstrin homology domain specific for phosphatidylinositol 4, 5-

 bisphosphate (PtdIns-4,5-P2) and fused to green fluorescent protein identifies plasma membrane PtdIns-4,5-P2 as being important in exocytosis.
J Biol Chem. 2000 Jun 9;275(23):17878-85.
PMID: 10747966 [PubMed - indexed for MEDLINE]

 46: [Saggese G, Federico G, Barsanti S.](#) [Related Articles](#), [Links](#)
Management of puberty in growth hormone deficient children.
J Pediatr Endocrinol Metab. 1999 Apr;12 Suppl 1:329-34. Review.
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 47: [Sidhu SS, Weiss GA, Wells JA.](#) [Related Articles](#), [Links](#)
High copy display of large proteins on phage for functional selections.
J Mol Biol. 2000 Feb 18;296(2):487-95.
PMID: 10669603 [PubMed - indexed for MEDLINE]

 48: [Rivera VM, Wang X, Wardwell S, Courage NL, Volchuk A, Keenan T, Holt DA, Gilman M, Orci L, Cerasoli F Jr, Rothman JE, Clackson T.](#) [Related Articles](#), [Links](#)
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PMID: 10657290 [PubMed - indexed for MEDLINE]

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An Alu element from the K18 gene confers position-independent expression in transgenic mice.
J Biol Chem. 2000 Jan 14;275(2):759-68.
PMID: 10625605 [PubMed - indexed for MEDLINE]

 50: [Datta YH, Youssoufian H, Marks PW, Ewenstein BM.](#) [Related Articles](#), [Links](#)
Targeting of a heterologous protein to a regulated secretion pathway in cultured endothelial cells.
Blood. 1999 Oct 15;94(8):2696-703.
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Novel secretion system of recombinant *Saccharomyces cerevisiae* using an N-terminus residue of human IL-1 beta as secretion enhancer.
Biotechnol Prog. 1999 Sep-Oct;15(5):884-90.
PMID: 10514258 [PubMed - indexed for MEDLINE]

 52: [Alecorn JL, Hammer RE, Graves KR, Smith ME, Maika SD, Michael LF, Gao E, Wang Y, Mendelson CR.](#) [Related Articles](#), [Links](#)
Analysis of genomic regions involved in regulation of the rabbit surfactant protein A gene in transgenic mice.
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PMID: 10094200 [PubMed - indexed for MEDLINE]

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Crystallization of ovine placental lactogen in a 1:2 complex with the extracellular domain of the rat prolactin receptor. *Acta Crystallogr D Biol Crystallogr*. 1998 Nov 1;54(Pt 6 Pt 2):1408-11.
PMID: 10089521 [PubMed - indexed for MEDLINE]

 **59:** Lauritsen C, Pedersen J, Madsen MT, Justesen J, Martensen PM, Dahl SW. [Related Articles](#), [Links](#)
Active recombinant rat dipeptidyl aminopeptidase I (cathepsin C) produced using the baculovirus expression system. *Protein Expr Purif*. 1998 Dec;14(3):434-42.
PMID: 9882579 [PubMed - indexed for MEDLINE]

 **60:** Lee JW, Kim K, Jung SH, Lee KJ, Choi EC, Sung YC, Kang CY. [Related Articles](#), [Links](#)
Identification of a domain containing B-cell epitopes in hepatitis C virus E2 glycoprotein by using mouse monoclonal antibodies. *J Virol*. 1999 Jan;73(1):11-8.
PMID: 9847301 [PubMed - indexed for MEDLINE]

 **61:** Li J, Gao E, Seidner SR, Mendelson CR. [Related Articles](#), [Links](#)
Differential regulation of baboon SP-A1 and SP-A2 genes: structural and functional analysis of 5'-flanking DNA. *Am J Physiol*. 1998 Dec;275(6 Pt 1):L1078-88.
PMID: 9843844 [PubMed - indexed for MEDLINE]

 **62:** Day RN, Liu J, Sundmark V, Kawecki M, Berry D, Elsholtz HP. [Related Articles](#), [Links](#)
Selective inhibition of prolactin gene transcription by the ETS-2 repressor factor. *J Biol Chem*. 1998 Nov 27;273(48):31909-15.
PMID: 9822660 [PubMed - indexed for MEDLINE]

 **63:** Sturtz FG, Cioffi L, Wittmer S, Sonk MJ, Shafer A, Li Y, Leeper NJ, Smith-Gbur J, Shulok J, Platika D. [Related Articles](#), [Links](#)
Tetracycline-regulatable expression vectors tightly regulate in vitro gene expression of secreted proteins. *Gene*. 1998 Oct 23;221(2):279-85

PMID: 9795241 [PubMed - indexed for MEDLINE]

 64: [Jenb CH, Cox MA, Lundell D, Narula SK, Zavodny PJ.](#) [Related Articles](#), [Links](#)

 A highly sensitive and specific assay using a novel human growth hormone cDNA reporter gene regulated by the human interleukin-4 inducible germline epsilon transcript promoter.
J Immunol Methods. 1998 Aug 1;217(1-2):87-95.
PMID: 9776578 [PubMed - indexed for MEDLINE]

 65: [Guadiz G, Hajdaris CG, Maine GN, Simpson-Hajdaris PJ.](#) [Related Articles](#), [Links](#)

 The carboxyl terminus of *Pneumocystis carinii* glycoprotein A encodes a functional glycosylphosphatidylinositol signal sequence.
J Biol Chem. 1998 Oct 2;273(40):26202-9.
PMID: 9748303 [PubMed - indexed for MEDLINE]

 66: [Wang TT, Wu XH, Zhang SL, Chan JS.](#) [Related Articles](#), [Links](#)

 Molecular mechanism(s) of action of norepinephrine on the expression of the angiotensinogen gene in opossum kidney cells.
Kidney Int. 1998 Sep;54(3):785-95.
PMID: 9734603 [PubMed - indexed for MEDLINE]

 67: [Swift GH, Liu Y, Rose SD, Bischof LJ, Steelman S, Buchberg AM, Wright CV, MacDonald RJ.](#) [Related Articles](#), [Links](#)

 An endocrine-exocrine switch in the activity of the pancreatic homeodomain protein PDX1 through formation of a trimeric complex with PDX1b and MRG1 (MEIS2).
Mol Cell Biol. 1998 Sep;18(9):5109-20.
PMID: 9710595 [PubMed - indexed for MEDLINE]

 68: [Shin NK, Kim DY, Shin CS, Hong MS, Lee J, Shin HC.](#) [Related Articles](#), [Links](#)

 High-level production of human growth hormone in *Escherichia coli* by a simple recombinant process.
J Biotechnol. 1998 Jun 30;62(2):143-51.
PMID: 9706704 [PubMed - indexed for MEDLINE]

 69: [Duguid JG, Li C, Shi M, Logan MJ, Alila H, Rolland A, Tomlinson E, Sparrow JT, Smith J C.](#) [Related Articles](#), [Links](#)

 A physicochemical approach for predicting the effectiveness of peptide-based gene delivery systems for use in plasmid-based gene therapy.
Biophys J. 1998 Jun;74(6):2802-14.
PMID: 9635734 [PubMed - indexed for MEDLINE]

 70: [Shin CS, Hong MS, Kim DY, Shin HC, Lee J.](#) [Related Articles](#), [Links](#)

 Growth-associated synthesis of recombinant human glucagon and human growth hormone in high-cell-density cultures of *Escherichia coli*.
Appl Microbiol Biotechnol. 1998 Apr;49(4):364-70.
PMID: 9615476 [PubMed - indexed for MEDLINE]

 71: [Wilbourn B, Nesbeth DN, Wainwright LJ, Field MC.](#) [Related Articles](#), [Links](#)

 Proteasome and thiol involvement in quality control of glycosylphosphatidylinositol anchor addition.
Biochem J. 1998 May 15;332 (Pt 1):111-8.
PMID: 9576858 [PubMed - indexed for MEDLINE]

 72: [Li J, Gao E, Mendelson CR.](#) [Related Articles](#), [Links](#)

 Cyclic AMP-responsive expression of the surfactant protein-A gene is mediated by increased DNA binding and transcriptional activity of thyroid transcription factor-1.

J Biol Chem. 1998 Feb 20;273(8):4592-600.
PMID: 9468516 [PubMed - indexed for MEDLINE]

73: Wang TT, Wu XH, Zhang SL, Chan JS. [Related Articles](#) [Links](#)
Effect of glucose on the expression of the angiotensinogen gene in opossum kidney cells.
Kidney Int. 1998 Feb;53(2):312-9.
PMID: 9461091 [PubMed - indexed for MEDLINE]

74: Kim SO, Jiang J, Yi W, Feng GS, Frank SJ. [Related Articles](#) [Links](#)
Involvement of the Src homology 2-containing tyrosine phosphatase SHP-2 in growth hormone signaling.
J Biol Chem. 1998 Jan 23;273(4):2344-54.
PMID: 9442080 [PubMed - indexed for MEDLINE]

75: Liu N, Mertani HC, Norstedt G, Tornell J, Lobie PE. [Related Articles](#) [Links](#)
Mode of the autocrine/paracrine mechanism of growth hormone action.
Exp Cell Res. 1997 Nov 25;237(1):196-206.
PMID: 9417883 [PubMed - indexed for MEDLINE]

76: Lee KJ, Suh YA, Cho YG, Cho YS, Ha GW, Chung KH, Hwang JH, Yun YD, Lee DS, Kim CM, Sung YC. [Related Articles](#) [Links](#)
Hepatitis C virus E2 protein purified from mammalian cells is frequently recognized by E2-specific antibodies in patient sera.
J Biol Chem. 1997 Nov 28;272(48):30040-6.
PMID: 9374479 [PubMed - indexed for MEDLINE]

77: Cassorla F, Mericq V, Eggers M, Avila A, Garcia C, Fuentes A, Rose SR, Cutler GB Jr. [Related Articles](#) [Links](#)
Effects of luteinizing hormone-releasing hormone analog-induced pubertal delay in growth hormone (GH)-deficient children treated with GH: preliminary results.
J Clin Endocrinol Metab. 1997 Dec;82(12):3989-92.
PMID: 9398701 [PubMed - indexed for MEDLINE]

78: Rui L, Mathews LS, Hotta K, Gustafson TA, Carter-Su C. [Related Articles](#) [Links](#)
Identification of SH2-Bbeta as a substrate of the tyrosine kinase JAK2 involved in growth hormone signaling.
Mol Cell Biol. 1997 Nov;17(11):6633-44.
PMID: 9343427 [PubMed - indexed for MEDLINE]

79: Qin W, Khuchua Z, Klein SC, Strauss AW. [Related Articles](#) [Links](#)
Elements regulating cardiomyocyte expression of the human sarcomeric mitochondrial creatine kinase gene in transgenic mice.
J Biol Chem. 1997 Oct 3;272(40):25210-6.
PMID: 9312135 [PubMed - indexed for MEDLINE]

80: Pezet A, Ferrag F, Kelly PA, Edery M. [Related Articles](#) [Links](#)
Tyrosine docking sites of the rat prolactin receptor required for association and activation of stat5.
J Biol Chem. 1997 Oct 3;272(40):25043-50.
PMID: 9312112 [PubMed - indexed for MEDLINE]

81: Qian JF, Wang TT, Wu XH, Wu J, Ge C, Lachance S, Carriere S, Chan JS. [Related Articles](#) [Links](#)
Angiotensinogen gene expression is stimulated by the cAMP-responsive element binding protein in opossum kidney cells.
J Am Soc Nephrol. 1997 Jul;8(7):1072-9.
PMID: 9219156 [PubMed - indexed for MEDLINE]

 82: [Jeffries HB, Fumagalli S, Dennis PB, Reinhard C, Pearson RB, Thomas G.](#) [Related Articles](#), [Links](#)

 Rapamycin suppresses 5'TOP mRNA translation through inhibition of p70s6k.
EMBO J. 1997 Jun;16(12):3693-704.
PMID: 9218810 [PubMed - indexed for MEDLINE]

 83: [Pajot-Augy E, Attal J, Theron MC, Devinoy E, Fontaine ML, Houdebine LM, Salesse R.](#) [Related Articles](#), [Links](#)

 Recombinant expression and secretion of a natural splicing variant containing the ectodomain of porcine LH receptor in HC11 mammary epithelial cells.
Protein Expr Purif. 1997 Jun;10(1):107-14.
PMID: 9179297 [PubMed - indexed for MEDLINE]

 84: [Chiter A, King AE, Blair GE.](#) [Related Articles](#), [Links](#)

 The role of neurotrophins in pathological pain states: a novel transgenic rat model of hyperalgesia.
Biochem Soc Trans. 1997 May;25(2):209S. No abstract available.
PMID: 9191253 [PubMed - indexed for MEDLINE]

 85: [Giulii G, Shen WH, Ingraham HA.](#) [Related Articles](#), [Links](#)

 The nuclear receptor SF-1 mediates sexually dimorphic expression of Mullerian Inhibiting Substance, *in vivo*.
Development. 1997 May;124(9):1799-807.
PMID: 9165127 [PubMed - indexed for MEDLINE]

 86: [Simon TC, Cho A, Tso P, Gordon JL.](#) [Related Articles](#), [Links](#)

 Suppressor and activator functions mediated by a repeated heptad sequence in the liver fatty acid-binding protein gene (Fabpl). Effects on renal, small intestinal, and colonic epithelial cell gene expression in transgenic mice.
J Biol Chem. 1997 Apr 18;272(16):10652-63.
PMID: 9099714 [PubMed - indexed for MEDLINE]

 87: [Ikeda A, Matsumoto Y, Chang KT, Nakano T, Matsuyama S, Yamanouchi K, Ohta A, Nishihara M, Tojo H, Sasaki F, Takahashi M.](#) [Related Articles](#), [Links](#)

 Different female reproductive phenotypes determined by human growth hormone (hGH) levels in hGH-transgenic rats.
Biol Reprod. 1997 Apr;56(4):847-51.
PMID: 9096864 [PubMed - indexed for MEDLINE]

 88: [DiMatta GE, Rhodes SJ, Krones A, Carriere C, O'Connell S, Kalla K, Arias C, Sawchenko P, Rosenfeld MG.](#) [Related Articles](#), [Links](#)

 The Pit-1 gene is regulated by distinct early and late pituitary-specific enhancers.
Dev Biol. 1997 Feb 1;182(1):180-90.
PMID: 9073460 [PubMed - indexed for MEDLINE]

 89: [Bu G, Rennke S, Geuze HJ.](#) [Related Articles](#), [Links](#)

 ERD2 proteins mediate ER retention of the HNEL signal of LRP's receptor-associated protein (RAP).
J Cell Sci. 1997 Jan;110 (Pt 1):65-73.
PMID: 9010785 [PubMed - indexed for MEDLINE]

 90: [Jahroudi N, Ardekani AM, Greenberger JS.](#) [Related Articles](#), [Links](#)

 Ionizing irradiation increases transcription of the von Willebrand factor gene in endothelial cells.

Blood. 1996 Nov 15;88(10):3801-14.
PMID: 8916944 [PubMed - indexed for MEDLINE]

□ 91: [Nagasawa H, Kataoka T, Tojo H.](#) [Related Articles](#), [Links](#)
Changes of plasma levels of human growth hormone with age in relation to mammary tumour appearance in whey acidic protein/human growth hormone (mWAP/hGH) transgenic female and male mice.
In Vivo. 1996 Sep-Oct;10(5):503-5.
PMID: 8899429 [PubMed - indexed for MEDLINE]

□ 92: [Wang TT, Lachance S, Delalandre A, Carriere S, Chan JS.](#) [Related Articles](#), [Links](#)
Dopaminergic receptors and angiotensinogen gene expression in opossum kidney cells.
Am J Physiol. 1996 Sep;271(3 Pt 2):R519-27.
PMID: 8853371 [PubMed - indexed for MEDLINE]

□ 93: [Rivera VM, Clackson T, Natesan S, Pollock R, Amara JE, Keenan T, Magari SR, Phillips T, Courage NL, Cerasoli F Jr, Holt DA, Gilman M.](#) [Related Articles](#), [Links](#)
A humanized system for pharmacologic control of gene expression.
Nat Med. 1996 Sep;2(9):1028-32.
PMID: 8782462 [PubMed - indexed for MEDLINE]

□ 94: [Young PP, Mendelson CR.](#) [Related Articles](#), [Links](#)
A CRE-like element plays an essential role in cAMP regulation of human SP-A2 gene in alveolar type II cells.
Am J Physiol. 1996 Aug;271(2 Pt 1):L287-99.
PMID: 8770068 [PubMed - indexed for MEDLINE]

□ 95: [Ghorpade A, Garg LC.](#) [Related Articles](#), [Links](#)
Efficient expression, processing and secretion of a biologically active mammalian protein by *Vibrio cholerae*.
FEBS Lett. 1996 Jun 3;387(2-3):167-70.
PMID: 8674542 [PubMed - indexed for MEDLINE]

□ 96: [Neznanov N, Kohwi-Shigematsu T, Oshima RG.](#) [Related Articles](#), [Links](#)
Contrasting effects of the SATB1 core nuclear matrix attachment region and flanking sequences of the keratin 18 gene in transgenic mice.
Mol Biol Cell. 1996 Apr;7(4):541-52.
PMID: 8730098 [PubMed - indexed for MEDLINE]

□ 97: [Gniss HJ, Ulrich D, Dower SK, Herrmann F, Brach MA.](#) [Related Articles](#), [Links](#)
Activation of Hodgkin cells via the CD30 receptor induces autocrine secretion of interleukin-6 engaging the NF-kappabeta transcription factor.
Blood. 1996 Mar 15;87(6):2443-9. Retraction in: Blood 1999 May 15;93(10):3573.
PMID: 8630409 [PubMed - indexed for MEDLINE]

□ 98: [Lee CS, Kim K, Yu DY, Lee KK.](#) [Related Articles](#), [Links](#)
An efficient expression of human growth hormone (hGH) in the milk of transgenic mice using rat beta-casein/hGH fusion genes.
Appl Biochem Biotechnol. 1996 Mar;56(3):211-22.
PMID: 8984895 [PubMed - indexed for MEDLINE]

□ 99: [Hirabayashi M, Kodaira K, Takahashi R, Sagara J, Suzuki T, Ueda M.](#) [Related Articles](#), [Links](#)
Transgene expression in mammary glands of newborn rats.
Mol Reprod Dev. 1996 Feb;43(2):145-9.
PMID: 8824911 [PubMed - indexed for MEDLINE]

100: Cholin S, Bieth E, Molinas C, Cahoreau C, Perals C, Cerruti M, Devauchelle G, Rochiccioli P, Tauber M. [Related Articles](#) [Links](#)
Expression of a recombinant human growth hormone binding protein in baculovirus/insect cell system. *Biochimie*. 1996;78(10):882-6.
PMID: 9116059 [PubMed - indexed for MEDLINE]

101: Masuda K, Kamimura T, Kanesaki M, Ishii K, Imaizumi A, Sugiyama T, Suzuki Y, Ohtsuka E. [Related Articles](#) [Links](#)
Efficient production of the C-terminal domain of secretory leukoprotease inhibitor as a thrombin-cleavable fusion protein in *Escherichia coli*. *Protein Eng*. 1996 Jan;9(1):101-6.
PMID: 9053897 [PubMed - indexed for MEDLINE]

102: Guo Z, Yang NS, Jiao S, Sun J, Cheng L, Wolff JA, Duncan ID. [Related Articles](#) [Links](#)
Efficient and sustained transgene expression in mature rat oligodendrocytes in primary culture. *J Neurosci Res*. 1996 Jan 1;43(1):32-41.
PMID: 8838571 [PubMed - indexed for MEDLINE]

103: Blazar BR, Brennan CA, Broxmeyer HE, Shultz LD, Vallera DA. [Related Articles](#) [Links](#)
Transgenic mice expressing either bovine growth hormone (bGH) or human GH releasing hormone (hGRH) have increased splenic progenitor cell colony formation and DNA synthesis in vitro and in vivo. *Exp Hematol*. 1995 Dec;23(13):1397-406.
PMID: 7498369 [PubMed - indexed for MEDLINE]

104: Mukhija R, Rupa P, Pillai D, Garg I.C. [Related Articles](#) [Links](#)
High-level production and one-step purification of biologically active human growth hormone in *Escherichia coli*. *Gene*. 1995 Nov 20;165(2):303-6.
PMID: 8522194 [PubMed - indexed for MEDLINE]

105: Asakura A, Minami M, Ota Y. [Related Articles](#) [Links](#)
Convenient desktop-scale production of the extracellular domain of the human growth hormone receptor by an insect-baculovirus secretion system using a protein-free culture. *Biosci Biotechnol Biochem*. 1995 Oct;59(10):1976-8.
PMID: 8534995 [PubMed - indexed for MEDLINE]

106: Hackett RH, Wang YD, Larner AC. [Related Articles](#) [Links](#)
Mapping of the cytoplasmic domain of the human growth hormone receptor required for the activation of Jak2 and Stat proteins. *J Biol Chem*. 1995 Sep 8;270(36):21326-30.
PMID: 7673169 [PubMed - indexed for MEDLINE]

107: Wei Y, Quertermous T, Wagner T.E. [Related Articles](#) [Links](#)
Directed endothelial differentiation of cultured embryonic yolk sac cells in vivo provides a novel cell-based system for gene therapy. *Stem Cells*. 1995 Sep;13(5):541-7.
PMID: 8528104 [PubMed - indexed for MEDLINE]

108: Wang TT, Lachance S, Delalandre A, Carriere S, Chan JS. [Related Articles](#) [Links](#)
Alpha-adrenoceptors and angiotensinogen gene expression in opossum kidney cells. *Kidney Int*. 1995 Jul;48(1):139-45.
PMID: 7564070 [PubMed - indexed for MEDLINE]

109: Morino S, Ueda H, Doi M, Ishida T. [Related Articles](#) [Links](#)
[Gene expression of human eukaryotic initiation factor-4E for protein synthesis and study of its recognition mechanism of mRNA cap structure] *Yakugaku Zasshi*. 1995 Jun;115(6):401-19. Review. Japanese.
PMID: 7666354 [PubMed - indexed for MEDLINE]

110: Guarino A, Canani RB, Iafusco M, Casola A, Russo R, Rubino A. [Related Articles](#) [Links](#)
[In vivo and in vitro effects of human growth hormone on rat intestinal ion transport.] *Pediatr Res*. 1995 May;37(5):576-80.
PMID: 7603774 [PubMed - indexed for MEDLINE]

111: Lu B, Federoff IJ. [Related Articles](#) [Links](#)
[Herpes simplex virus type 1 amplicon vectors with glucocorticoid-inducible gene expression.] *Hum Gene Ther*. 1995 Apr;6(4):419-28.
PMID: 7612699 [PubMed - indexed for MEDLINE]

112: Williams G, Ruegg N, Birch A, Weber C, Hofstatter K, Robinson JA, Aguet M, Garotta G, Schlatter D, Huber W. [Related Articles](#) [Links](#)
[Dissection of the extracellular human interferon gamma receptor alpha-chain into two immunoglobulin-like domains. Production in an *Escherichia coli* thioredoxin gene fusion expression system and recognition by neutralizing antibodies.] *Biochemistry*. 1995 Feb 7;34(5):1787-97.
PMID: 7849039 [PubMed - indexed for MEDLINE]

113: Lopez MJ, Upchurch BH, Rindi G, Leiter AB. [Related Articles](#) [Links](#)
[Studies in transgenic mice reveal potential relationships between secretin-producing cells and other endocrine cell types.] *J Biol Chem*. 1995 Jan 13;270(2):885-91.
PMID: 7822327 [PubMed - indexed for MEDLINE]

114: Hearst DP, Cohen FE. [Related Articles](#) [Links](#)
[GRAFTER: a computational aid for the design of novel proteins.] *Protein Eng*. 1994 Dec;7(12):1411-21.
PMID: 7716151 [PubMed - indexed for MEDLINE]

115: Jin L, Wells JA. [Related Articles](#) [Links](#)
[Dissecting the energetics of an antibody-antigen interface by alanine shaving and molecular grafting.] *Protein Sci*. 1994 Dec;3(12):2351-7.
PMID: 7538848 [PubMed - indexed for MEDLINE]

116: Donahue JP, Sugg N, Hawiger J. [Related Articles](#) [Links](#)
[The integrin alpha v gene: identification and characterization of the promoter region.] *Biochim Biophys Acta*. 1994 Sep 13;1219(1):228-32.
PMID: 7522056 [PubMed - indexed for MEDLINE]

117: Hiraoka O, Anaguchi H, Yamasaki K, Fukunaga R, Nagata S, Ota Y. [Related Articles](#) [Links](#)
[Ligand binding domain of granulocyte colony-stimulating factor receptor.] *J Biol Chem*. 1994 Sep 2;269(35):22412-9.
PMID: 7520915 [PubMed - indexed for MEDLINE]

118: Wang TT, Chen M, Lachance S, Delalandre A, Carriere S, Chan JS. [Related Articles](#) [Links](#)

 Isoproterenol and 8-bromo-cyclic adenosine monophosphate stimulate the expression of the angiotensinogen gene in opossum kidney cells.
Kidney Int. 1994 Sep;46(3):703-10.
PMID: 7996791 [PubMed - indexed for MEDLINE]

 **119:** Cortese JF, Majewski JL, Crabb DW, Edenberg HJ, Yang VW. [Related Articles](#), [Links](#)
 Characterization of the 5'-flanking sequence of rat class I alcohol dehydrogenase gene.
J Biol Chem. 1994 Aug 26;269(34):21898-906.
PMID: 8063834 [PubMed - indexed for MEDLINE]

 **120:** Dahler A, Wade RP, Muscat GE, Waters MJ. [Related Articles](#), [Links](#)
 Expression vectors encoding human growth hormone (hGH) controlled by human muscle-specific promoters: prospects for regulated production of hGH delivered by myoblast transfer or intravenous injection.
Gene. 1994 Aug 5;145(2):305-10.
PMID: 8056348 [PubMed - indexed for MEDLINE]

 **121:** Gertler A, Bignon C, Staten NR, Sakal E, Tchelet A, Krivi GG, Djiane J. [Related Articles](#), [Links](#)
 Interaction of lactogenic hormones with the soluble extracellular domain of prolactin receptors.
Proc Soc Exp Biol Med. 1994 Jul;206(3):273-9. Review.
PMID: 8016164 [PubMed - indexed for MEDLINE]

 **122:** Tanaka T, Hayashi M, Kimura H, Oobatake M, Nakamura H. [Related Articles](#), [Links](#)
 De novo design and creation of a stable artificial protein.
Biophys Chem. 1994 May;50(1-2):47-61.
PMID: 8011940 [PubMed - indexed for MEDLINE]

 **123:** Holz RW, Brondyk WH, Senter RA, Kuizon L, Macara IG. [Related Articles](#), [Links](#)
 Evidence for the involvement of Rab3A in Ca(2+)-dependent exocytosis from adrenal chromaffin cells.
J Biol Chem. 1994 Apr 8;269(14):10229-34.
PMID: 8144603 [PubMed - indexed for MEDLINE]

 **124:** Field MC, Moran P, Li W, Keller GA, Caras IW. [Related Articles](#), [Links](#)
 Retention and degradation of proteins containing an uncleaved glycosylphosphatidylinositol signal.
J Biol Chem. 1994 Apr 8;269(14):10830-7.
PMID: 7511608 [PubMed - indexed for MEDLINE]

 **125:** Moran P, Caras IW. [Related Articles](#), [Links](#)
 Requirements for glycosylphosphatidylinositol attachment are similar but not identical in mammalian cells and parasitic protozoa.
J Cell Biol. 1994 Apr;125(2):333-43.
PMID: 8163550 [PubMed - indexed for MEDLINE]

 **126:** Devinoy E, Thepot D, Stinnakre MG, Fontaine ML, Grabowski H, Puissant C, Pavirani A, Houdebine LM. [Related Articles](#), [Links](#)
 High level production of human growth hormone in the milk of transgenic mice: the upstream region of the rabbit whey acidic protein (WAP) gene targets transgene expression to the mammary gland.
Transgenic Res. 1994 Mar;3(2):79-89.
PMID: 8193641 [PubMed - indexed for MEDLINE]

 **127:** Tanaka T, Kimura H, Hayashi M, Fujiyoshi Y, Fukuhara K, Nakamura H. [Related Articles](#), [Links](#)

 Characteristics of a de novo designed protein.
Protein Sci. 1994 Mar;3(3):419-27.
PMID: 8019413 [PubMed - indexed for MEDLINE]

 128: [Caras IW, Moran P.](#) [Related Articles](#), [Links](#)
 The requirements for GPI-attachment are similar but not identical in mammalian cells and parasitic protozoa.
Braz J Med Biol Res. 1994 Feb;27(2):185-8.
PMID: 8081228 [PubMed - indexed for MEDLINE]

 129: [Cheah KC, Harrison S, King R, Crocker L, Wells JR, Robins A.](#) [Related Articles](#), [Links](#)
 Secretion of eukaryotic growth hormones in *Escherichia coli* is influenced by the sequence of the mature proteins.
Gene. 1994 Jan 28;138(1-2):9-15.
PMID: 8125322 [PubMed - indexed for MEDLINE]

 130: [Gopal-Srivastava R, Piatigorsky J.](#) [Related Articles](#), [Links](#)
 The murine alpha B-crystallin/small heat shock protein enhancer: identification of alpha BE-1, alpha BE-2, alpha BE-3, and MRF control elements.
Mol Cell Biol. 1993 Nov;13(11):7144-52.
PMID: 8413303 [PubMed - indexed for MEDLINE]

 131: [Kwon YK, Hecht NB.](#) [Related Articles](#), [Links](#)
 Binding of a phosphoprotein to the 3' untranslated region of the mouse protamine 2 mRNA temporally represses its translation.
Mol Cell Biol. 1993 Oct;13(10):6547-57.
PMID: 8413253 [PubMed - indexed for MEDLINE]

 132: [Macnaughton TB, Beard MR, Chao M, Gowans JJ, Lai MM.](#) [Related Articles](#), [Links](#)
 Endogenous promoters can direct the transcription of hepatitis delta virus RNA from a recircularized cDNA template.
Virology. 1993 Oct;196(2):629-36.
PMID: 8372436 [PubMed - indexed for MEDLINE]

 133: [Gao E, Alcorn JL, Mendelson CR.](#) [Related Articles](#), [Links](#)
 Identification of enhancers in the 5'-flanking region of the rabbit surfactant protein A (SP-A) gene and characterization of their binding proteins.
J Biol Chem. 1993 Sep 15;268(26):19697-709.
PMID: 8366111 [PubMed - indexed for MEDLINE]

 134: [Margraf LR, Finegold MJ, Stanley LA, Major A, Hawkins HK, DeMayo FJ.](#) [Related Articles](#), [Links](#)
 Cloning and tissue-specific expression of the cDNA for the mouse Clara cell 10 kD protein: comparison of endogenous expression to rabbit uteroglobin promoter-driven transgene expression.
Am J Respir Cell Mol Biol. 1993 Sep;9(3):231-8.
PMID: 8398159 [PubMed - indexed for MEDLINE]

 135: [Reyland ME.](#) [Related Articles](#), [Links](#)
 Protein kinase C is a tonic negative regulator of steroidogenesis and steroid hydroxylase gene expression in Y1 adrenal cells and functions independently of protein kinase A.
Mol Endocrinol. 1993 Aug;7(8):1021-30.
PMID: 7694083 [PubMed - indexed for MEDLINE]

 136: [Rottman JN, Gordon JL.](#) [Related Articles](#), [Links](#)

 Comparison of the patterns of expression of rat intestinal fatty acid binding protein/human growth hormone fusion genes in cultured intestinal epithelial cell lines and in the gut epithelium of transgenic mice.
J Biol Chem. 1993 Jun 5;268(16):11994-2002.
PMID: 8505324 [PubMed - indexed for MEDLINE]

 137: [Prester T, Holtzelaw WD, Zhang Y, Talaiay P](#) [Related Articles](#) [Links](#)

 Chemical and molecular regulation of enzymes that detoxify carcinogens.
Proc Natl Acad Sci U S A. 1993 Apr 1;90(7):2965-9.
PMID: 8385353 [PubMed - indexed for MEDLINE]

 138: [Fischbach M, Sabbioni E, Bromley P](#) [Related Articles](#) [Links](#)

 Induction of the human growth hormone gene placed under human hsp70 promoter control in mouse cells: a quantitative indicator of metal toxicity.
Cell Biol Toxicol. 1993 Apr-Jun;9(2):177-88.
PMID: 8242433 [PubMed - indexed for MEDLINE]

 139: [Brigham KL, Meyrick B, Christman B, Conary JT, King G, Berry LC Jr, Magnuson MA](#) [Related Articles](#) [Links](#)

 Expression of human growth hormone fusion genes in cultured lung endothelial cells and in the lungs of mice.
Am J Respir Cell Mol Biol. 1993 Feb;8(2):209-13.
PMID: 7678969 [PubMed - indexed for MEDLINE]

 140: [Davis BP, Hammer RE, Messing A, MacDonald RJ](#) [Related Articles](#) [Links](#)

 Selective expression of trypsin fusion genes in acinar cells of the pancreas and stomach of transgenic mice.
J Biol Chem. 1992 Dec 25;267(36):26070-7.
PMID: 1464618 [PubMed - indexed for MEDLINE]

 141: [Tomita K](#) [Related Articles](#) [Links](#)

 [Structural studies of malaria vaccine]
Yakugaku Zasshi. 1992 Dec;112(12):873-86. Review. Japanese.
PMID: 1294714 [PubMed - indexed for MEDLINE]

 142: [Moran P, Caras JW](#) [Related Articles](#) [Links](#)

 Proteins containing an uncleaved signal for glycoprophatidylinositol membrane anchor attachment are retained in a post-ER compartment.
J Cell Biol. 1992 Nov;119(4):763-72.
PMID: 1385443 [PubMed - indexed for MEDLINE]

 143: [Cohn SM, Simon TC, Roth KA, Birkenmeier EH, Gordon JI](#) [Related Articles](#) [Links](#)

 Use of transgenic mice to map cis-acting elements in the intestinal fatty acid binding protein gene (Fabpi) that control its cell lineage-specific and regional patterns of expression along the duodenal-colonic and crypt-villus axes of the gut epithelium.
J Cell Biol. 1992 Oct;119(1):27-44
PMID: 1527171 [PubMed - indexed for MEDLINE]

 144: [Michaelis C, Banfield BW, Gruerheid S, Tsang Y, Lippe R, Jefferies WA, Wattenberg BW, Tufaro F](#) [Related Articles](#) [Links](#)

 Toxin resistance and reduced secretion in a mouse L-cell mutant defective in herpes virus propagation.
Biochem Cell Biol. 1992 Oct-Nov;70(10-11):1209-17.
PMID: 1338412 [PubMed - indexed for MEDLINE]

 145: [Aguilar RC, Fernandez HN, Dellacha JM, Calandra RS, Bartke A, Ghosh PK, Turyn D](#) [Related Articles](#) [Links](#)

 Somatotropic and lactotropic receptors in transgenic mice expressing human or bovine growth hormone genes.
Transgenic Res. 1992 Sep;1(5):221-7.
PMID: 1301213 [PubMed - indexed for MEDLINE]

 146: [Ting CN, Rosenberg MP, Snow CM, Samuelson LC, Meisler MH](#) [Related Articles](#), [Links](#)

 Endogenous retroviral sequences are required for tissue-specific expression of a human salivary amylase gene.
Genes Dev. 1992 Aug;6(8):1457-65.
PMID: 1379564 [PubMed - indexed for MEDLINE]

 147: [Milton S, Cecim M, Li YS, Yun JS, Wagner TE, Bartke A](#) [Related Articles](#), [Links](#)

 Transgenic female mice with high human growth hormone levels are fertile and capable of normal lactation without having been pregnant.
Endocrinology. 1992 Jul;131(1):536-8.
PMID: 1612034 [PubMed - indexed for MEDLINE]

 148: [Tanaka K, Sato A, Naito T, Kuramochi K, Itabashi H, Takemura Y](#) [Related Articles](#), [Links](#)

 Noonan syndrome presenting growth hormone neurosecretory dysfunction.
Intern Med. 1992 Jul;31(7):908-11.
PMID: 1450501 [PubMed - indexed for MEDLINE]

 149: [Pollock AS, Lovett DH](#) [Related Articles](#), [Links](#)

 Expression of phosphoenolpyruvate carboxykinase (PEPCK) chimeras in renal epithelial cells. Retention of appropriate physiological responsiveness using enhancerless retroviral vectors.
Biochem J. 1992 Jun 15;284 (Pt 3):725-32.
PMID: 1377912 [PubMed - indexed for MEDLINE]

 150: [Hall J, Hirst BH, Hazlewood GP, Gilbert HJ](#) [Related Articles](#), [Links](#)

 The use of chimeric gene constructs to express a bacterial endoglucanase in mammalian cells.
Biochim Biophys Acta. 1992 Apr 6;1130(3):259-66.
PMID: 1314095 [PubMed - indexed for MEDLINE]

 151: [Alouani S, L'Hote P, Marq JB, Houdebine LM, Montandon F, Chessebeuf-Padicu M, Dreano M](#) [Related Articles](#), [Links](#)

 Expression of heat shock-regulated human growth hormone genes containing or lacking introns by NIH-3T3 and Wish cell lines.
Cell Biol Toxicol. 1992 Apr-Jun;8(2):139-56.
PMID: 1422924 [PubMed - indexed for MEDLINE]

 152: [Simon AM, Hoppe P, Burden SJ](#) [Related Articles](#), [Links](#)

 Spatial restriction of AChR gene expression to subsynaptic nuclei.
Development. 1992 Mar;114(3):545-53.
PMID: 1618127 [PubMed - indexed for MEDLINE]

 153: [Nakayama A, Shimada H, Furutani Y, Honjo M](#) [Related Articles](#), [Links](#)

 Processing of the prepropeptide portions of the *Bacillus amyloliquefaciens* neutral protease fused to *Bacillus subtilis* alpha-amylase and human growth hormone during secretion in *Bacillus subtilis*.
J Biotechnol. 1992 Mar;23(1):55-69.
PMID: 1367948 [PubMed - indexed for MEDLINE]

 154: [Chan JS, Chan AH, Nie ZR, Sikstrom R, Lachance S, Hashimoto S, Carriere S](#) [Related Articles](#), [Links](#)

 Thyroid hormone, L-T₃, stimulates the expression of the angiotensinogen gene in cultured opossum kidney (OK) cells.
J Am Soc Nephrol. 1992 Feb;2(8):1360-7.
PMID: 1627760 [PubMed - indexed for MEDLINE]

 155: [Lehnmann S, Cerra FB](#) Related Articles, Links
 Growth hormone and nutritional support: adverse metabolic effects.
Nutr Clin Pract. 1992 Feb;7(1):27-30.
PMID: 1293499 [PubMed - indexed for MEDLINE]

 156: [Brar AK, Downs TR, Heimer EP, Felix AM, Frohman LA](#) Related Articles, Links
 Biosynthesis of human growth hormone-releasing hormone (hGRH) in the pituitary of hGRH transgenic mice.
Endocrinology. 1991 Dec;129(6):3274-80.
PMID: 1954904 [PubMed - indexed for MEDLINE]

 157: [Moran P, Caras IW](#) Related Articles, Links
 Fusion of sequence elements from non-anchored proteins to generate a fully functional signal for glycoprophatidylinositol membrane anchor attachment.
J Cell Biol. 1991 Dec;115(6):1595-600.
PMID: 1836788 [PubMed - indexed for MEDLINE]

 158: [Moran P, Caras IW](#) Related Articles, Links
 A nonfunctional sequence converted to a signal for glycoprophatidylinositol membrane anchor attachment.
J Cell Biol. 1991 Oct;115(2):329-36.
PMID: 1717483 [PubMed - indexed for MEDLINE]

 159: [Nickel BE, Nachtigal MW, Bock ME, Cattini PA](#) Related Articles, Links
 Differential binding of rat pituitary-specific nuclear factors to the 5'-flanking region of pituitary and placental members of the human growth hormone gene family.
Mol Cell Biochem. 1991 Aug 14;106(2):181-7.
PMID: 1922020 [PubMed - indexed for MEDLINE]

 160: [Lisanti MP, Caras IW, Rodriguez-Boulan E](#) Related Articles, Links
 Fusion proteins containing a minimal GPI-attachment signal are apically expressed in transfected MDCK cells.
J Cell Sci. 1991 Jul;99 (Pt 3):637-40.
PMID: 1719008 [PubMed - indexed for MEDLINE]

 161: [Ueda H, Maruyama H, Doi M, Inoue M, Ishida T, Morioka H, Tanaka T, Nishikawa S, Uesugi S](#) Related Articles, Links
 Expression of a synthetic gene for human cap binding protein (human IF-4E) in Escherichia coli and fluorescence studies on interaction with mRNA cap structure analogues.
J Biochem (Tokyo). 1991 Jun;109(6):882-9.
PMID: 1939010 [PubMed - indexed for MEDLINE]

 162: [Lewis UJ, Lewis LJ, Salem MA, Staten NR, Galosy SS, Krivi GG](#) Related Articles, Links
 A recombinant-DNA-derived modification of human growth hormone (hGH44-191) with enhanced diabetogenic activity.
Mol Cell Endocrinol. 1991 Jun;78(1-2):45-54.
PMID: 1936524 [PubMed - indexed for MEDLINE]

 163: [Lieber A, Teppke M, Herrmann G, Strauss M](#) Related Articles, Links

 Functional significance of sequences following the TATA box of an immunoglobulin promoter studied by random mutagenesis.
FEBS Lett. 1991 May 6;282(2):225-7.
PMID: 1903713 [PubMed - indexed for MEDLINE]

 **164:** [Caras JW](#) Related Articles, Links
 An internally positioned signal can direct attachment of a glycophospholipid membrane anchor.
J Cell Biol. 1991 Apr;113(1):77-85.
PMID: 1706725 [PubMed - indexed for MEDLINE]

 **165:** [Pecceu F, Dousset P, Shire D, Cavrois E, Marchese E, Ferrara P, Kaghad M, Dumont X, Lupker J](#) Related Articles, Links
 Human interleukin 1 beta fused to the human growth hormone signal peptide is N-glycosylated and secreted by Chinese hamster ovary cells.
Gene. 1991 Jan 15;97(2):253-8.
PMID: 1999289 [PubMed - indexed for MEDLINE]

 **166:** [Moran P, Raab H, Kohr WJ, Caras IW](#) Related Articles, Links
 Glycophospholipid membrane anchor attachment. Molecular analysis of the cleavage/attachment site.
J Biol Chem. 1991 Jan 15;266(2):1250-7.
PMID: 1824699 [PubMed - indexed for MEDLINE]

 **167:** [Oonk RB, Parker KL, Gibson JJ, Richards JS](#) Related Articles, Links
 Rat cholesterol side-chain cleavage cytochrome P-450 (P-450scc) gene. Structure and regulation by cAMP in vitro.
J Biol Chem. 1990 Dec 25;265(36):22392-401.
PMID: 2176216 [PubMed - indexed for MEDLINE]

 **168:** [Gardella TJ, Rubin D, Abou-Samra AB, Keutmann HT, Potts JT Jr, Kronenberg HM, Nussbaum SR](#) Related Articles, Links
 Expression of human parathyroid hormone-(1-84) in Escherichia coli as a factor X-cleavable fusion protein.
J Biol Chem. 1990 Sep 15;265(26):15854-9.
PMID: 2168424 [PubMed - indexed for MEDLINE]

 **169:** [Wilson DB, Dorfman DM, Orkin SH](#) Related Articles, Links
 A nonerythroid GATA-binding protein is required for function of the human preproendothelin-1 promoter in endothelial cells.
Mol Cell Biol. 1990 Sep;10(9):4854-62.
PMID: 2388628 [PubMed - indexed for MEDLINE]

 **170:** [Morin A, Louette J, Voz ML, Tixier-Vidal A, Belayew A, Martial JA](#) Related Articles, Links
 Triiodothyronine inhibits transcription from the human growth hormone promoter.
Mol Cell Endocrinol. 1990 Jul 9;71(3):261-7.
PMID: 2210033 [PubMed - indexed for MEDLINE]

 **171:** [Chan JS, Chan AII, Jiang Q, Nic ZR, LaChance S, Carrierre S](#) Related Articles, Links
 Molecular cloning and expression of the rat angiotensinogen gene.
Pediatr Nephrol. 1990 Jul;4(4):429-35.
PMID: 2206913 [PubMed - indexed for MEDLINE]

 **172:** [Yousoufian H, Zon LI, Orkin SH, D'Andrea AD, Lodish HF](#) Related Articles, Links
 Structure and transcription of the mouse erythropoietin receptor gene.
Mol Cell Biol. 1990 Jul;10(7):3675-82.
PMID: 2162479 [PubMed - indexed for MEDLINE]

173: Hiramatsu R, Yamashita T, Aikawa J, Horinouchi S, Beppu T. Related Articles, Links
The prepro-peptide of *Mucor* rennin directs the secretion of human growth hormone by *Saccharomyces cerevisiae*.
Appl Environ Microbiol. 1990 Jul;56(7):2125-32.
PMID: 2117879 [PubMed - indexed for MEDLINE]

174: Brar AK, Coleman TA, Kopchick JJ, Frohman LA. Related Articles, Links
Expression of a cytomegalovirus-human growth hormone-releasing hormone precursor fusion gene in transfected GH3 cells.
Mol Cell Endocrinol. 1990 Jun 18;71(2):105-15.
PMID: 2165457 [PubMed - indexed for MEDLINE]

175: Bernstein SC, Skoskiewicz MJ, Jones R, Zapol WM, Russell PS. Related Articles, Links
Recombinant gene expression in pulmonary vascular endothelial cells: polarized secretion in vivo.
FASEB J. 1990 Jun;4(9):2665-70.
PMID: 2347465 [PubMed - indexed for MEDLINE]

176: Roth KA, Hertz JM, Gordon JI. Related Articles, Links
Mapping enteroendocrine cell populations in transgenic mice reveals an unexpected degree of complexity in cellular differentiation within the gastrointestinal tract.
J Cell Biol. 1990 May;110(5):1791-801.
PMID: 2186049 [PubMed - indexed for MEDLINE]

177: Kreiner T, Moore HP. Related Articles, Links
Membrane traffic between secretory compartments is differentially affected during mitosis.
Cell Regul. 1990 Apr;1(5):415-24.
PMID: 2099191 [PubMed - indexed for MEDLINE]

178: Elbashir MI, Brodin T, Akerstrom B, Donner J. Related Articles, Links
Monoclonal antibodies to the pituitary growth-hormone receptor by the anti-idiotypic approach. Production and initial characterization.
Biochem J. 1990 Mar 1;266(2):467-74.
PMID: 1690538 [PubMed - indexed for MEDLINE]

179: Stefanescu L, Kovacs K, Horvath E, Losinski NE, Mayerhofer A, Wagner TE, Bartke A. Related Articles, Links
An immunocytochemical and ultrastructural study of adenohypophyses of mice transgenic for human growth hormone.
Endocrinology. 1990 Jan;126(1):608-15.
PMID: 2104591 [PubMed - indexed for MEDLINE]

180: Shi YX, Ji XD, Li GS, Shu YM. Related Articles, Links
The study on transgenic mice.
Chin J Biotechnol. 1990;6(3):189-97.
PMID: 2104209 [PubMed - indexed for MEDLINE]

181: Bass S, Greene R, Wells JA. Related Articles, Links
Hormone phage: an enrichment method for variant proteins with altered binding properties.
Proteins. 1990;8(4):309-14.
PMID: 1708882 [PubMed - indexed for MEDLINE]

182: Low MJ, Goodman RH, Ebert KM. Related Articles, Links
Cryptic human growth hormone gene sequences direct gonadotroph-

 specific expression in transgenic mice.
Mol Endocrinol. 1989 Dec;3(12):2028-33.
PMID: 2576462 [PubMed - indexed for MEDLINE]

 183: [Gopal TV, Polte T, Arthur P, Sejdelman M.](#) [Related Articles](#), [Links](#)
A mouse hybrid cell line that supports gene expression from a variety of promoters in amplifiable vectors.
In Vitro Cell Dev Biol. 1989 Dec;25(12):1147-54.
PMID: 2514181 [PubMed - indexed for MEDLINE]

 184: [Idzerda RL, Behringer RR, Theisen M, Huggenvik JI, McKnight GS, Brinster RL](#) [Related Articles](#), [Links](#)
Expression from the transferrin gene promoter in transgenic mice.
Mol Cell Biol. 1989 Nov;9(11):5154-62.
PMID: 2601714 [PubMed - indexed for MEDLINE]

 185: [Lisanti MP, Caras IW, Davitz MA, Rodriguez-Boulan E](#) [Related Articles](#), [Links](#)
A glycophospholipid membrane anchor acts as an apical targeting signal in polarized epithelial cells.
J Cell Biol. 1989 Nov;109(5):2145-56.
PMID: 2478564 [PubMed - indexed for MEDLINE]

 186: [Gelii V, Baty D, Keibichler M, Ljoubes R, Pesseguie B, Shire D, Lazzdunski C](#) [Related Articles](#), [Links](#)
Synthesis and sequence-specific proteolysis of a hybrid protein (colicin A::growth hormone releasing factor) produced in Escherichia coli.
Gene. 1989 Aug 1;80(1):129-36.
PMID: 2507398 [PubMed - indexed for MEDLINE]

 187: [Brar AK, Brinster RL, Frohman LA](#) [Related Articles](#), [Links](#)
Immunohistochemical analysis of human growth hormone-releasing hormone gene expression in transgenic mice.
Endocrinology. 1989 Aug;125(2):801-9.
PMID: 2502376 [PubMed - indexed for MEDLINE]

 188: [Crenshaw EB 3rd, Kalla K, Simmons DM, Swanson L, Rosenfeld MG](#) [Related Articles](#), [Links](#)
Cell-specific expression of the prolactin gene in transgenic mice is controlled by synergistic interactions between promoter and enhancer elements.
Genes Dev. 1989 Jul;3(7):959-72.
PMID: 2777076 [PubMed - indexed for MEDLINE]

 189: [Selden RF, Yun JS, Moore DD, Rowe ME, Malia MA, Wagner TE, Goodman HM](#) [Related Articles](#), [Links](#)
Glucocorticoid regulation of human growth hormone expression in transgenic mice and transiently transfected cells.
J Endocrinol. 1989 Jul;122(1):49-60.
PMID: 2769161 [PubMed - indexed for MEDLINE]

 190: [Powers AC, Tedeschi F, Wright KE, Chan JS, Habener JF](#) [Related Articles](#), [Links](#)
Somatostatin gene expression in pancreatic islet cells is directed by cell-specific DNA control elements and DNA-binding proteins.
J Biol Chem. 1989 Jun 15;264(17):10048-56.
PMID: 2566613 [PubMed - indexed for MEDLINE]

 191: [Braun RE, Peschon JJ, Behringer RR, Brinster RL, Palmiter RD](#) [Related Articles](#), [Links](#)
Protamine 3'-untranslated sequences regulate temporal translational control and subcellular localization of growth hormone in spermatids of

transgenic mice.

Genes Dev. 1989 Jun;3(6):793-802.

PMID: 2744463 [PubMed - indexed for MEDLINE]

192: Wang EM. [Related Articles](#) [Links](#)

[Preparation and characteristic analysis of monoclonal antibodies against human growth hormone]
Zhongguo Yi Xue Ke Xue Yuan Xue Bao. 1989 Feb;11(1):63-8. Chinese.
PMID: 2475270 [PubMed - indexed for MEDLINE]

193: Rokkones E, Alestrom P, Skjervold H, Gautvik KM. [Related Articles](#) [Links](#)

[Microinjection and expression of a mouse metallothionein human growth hormone fusion gene in fertilized salmonid eggs.
J Comp Physiol [B]. 1989;158(6):751-8.
PMID: 2715458 [PubMed - indexed for MEDLINE]

194: Morello D, Lavenu A, Bandeira A, Portnoi D, Gaillard J, Babinet C. [Related Articles](#) [Links](#)

[Lymphoproliferative syndrome associated with c-myc expression driven by a class I gene promoter in transgenic mice.
Oncogene Res. 1989;4(2):111-25.
PMID: 2654814 [PubMed - indexed for MEDLINE]

195: Rexroad CE Jr, Hammer RE, Bolt DJ, Mayo KE, Frohman LA, Palmiter RD, Brinster RL. [Related Articles](#) [Links](#)

[Production of transgenic sheep with growth-regulating genes.
Mol Reprod Dev. 1989;1(3):164-9.
PMID: 2516725 [PubMed - indexed for MEDLINE]

196: Sweetser DA, Hauft SM, Hoppe PC, Birkenmeier EH, Gordon JL. [Related Articles](#) [Links](#)

[Transgenic mice containing intestinal fatty acid-binding protein-human growth hormone fusion genes exhibit correct regional and cell-specific expression of the reporter gene in their small intestine.
Proc Natl Acad Sci U S A. 1988 Dec;85(24):9611-5.
PMID: 3200846 [PubMed - indexed for MEDLINE]

197: Bornstein P, McKay J, Liska DJ, Apone S, Devarayalu S. [Related Articles](#) [Links](#)

[Interactions between the promoter and first intron are involved in transcriptional control of alpha 1(I) collagen gene expression.
Mol Cell Biol. 1988 Nov;8(11):4851-7.
PMID: 3211130 [PubMed - indexed for MEDLINE]

198: Selden RF, Wagner TE, Blethen S, Yun JS, Rowe MF, Goodman HM. [Related Articles](#) [Links](#)

[Expression of the human growth hormone variant gene in cultured fibroblasts and transgenic mice.
Proc Natl Acad Sci U S A. 1988 Nov;85(21):8241-5.
PMID: 3186721 [PubMed - indexed for MEDLINE]

199: Sweetser DA, Birkenmeier EH, Hoppe PC, McKeel DW, Gordon JL. [Related Articles](#) [Links](#)

[Mechanisms underlying generation of gradients in gene expression within the intestine: an analysis using transgenic mice containing fatty acid binding protein-human growth hormone fusion genes.
Genes Dev. 1988 Oct;2(10):1318-32.
PMID: 2462524 [PubMed - indexed for MEDLINE]

200: Handler JD, Schimmer BP, Flynn TR, Szyf M, Seidman JG, Parker KL. [Related Articles](#) [Links](#)



An enhancer element and a functional cyclic AMP-dependent protein kinase are required for expression of adrenocortical 21-hydroxylase.
J Biol Chem. 1988 Sep 15;263(26):13068-73.
PMID: 2843506 [PubMed - indexed for MEDLINE]

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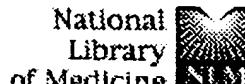
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J Biotechnol. 1995 May 15;40(1):49-58.
PMID: 7794600 [PubMed - indexed for MEDLINE]

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■ Recombinant human growth hormone promotes human lymphocyte engraftment in immunodeficient mice and results in an increased incidence of human Epstein Barr virus-induced B-cell lymphoma.
Brain Behav Immun. 1992 Dec;6(4):355-64.
PMID: 1336993 [PubMed - indexed for MEDLINE]

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PMID: 1377912 [PubMed - indexed for MEDLINE]

■ 11: [Murphy WJ, Durum SK, Longo DL](#) [Related Articles](#) [Links](#)

■ Human growth hormone promotes engraftment of murine or human T cells in severe combined immunodeficient mice.
Proc Natl Acad Sci U S A. 1992 May 15;89(10):4481-5.
PMID: 1584780 [PubMed - indexed for MEDLINE]

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■ Evidence that the N-terminus of human growth hormone is involved in expression of its growth promoting, diabetogenic, and insulin-like activities.
Endocrinology. 1992 Mar;130(3):1225-30.
PMID: 1537288 [PubMed - indexed for MEDLINE]

■ 13: [Baumann G, Davila N, Shaw MA, Ray J, Liebhaber SA, Cooke NE](#) [Related Articles](#) [Links](#)

■ Binding of human growth hormone (GH)-variant (placental GH) to GH-binding proteins in human plasma.
J Clin Endocrinol Metab. 1991 Dec;73(6):1175-9.
PMID: 1555498 [PubMed - indexed for MEDLINE]

■ 14: [Clinton M, Graeve L, el-Dorry H, Rodriguez-Boulan E, Horecker BL](#) [Related Articles](#) [Links](#)

■ Evidence for nuclear targeting of prothymosin and parathymosin synthesized in situ.
Proc Natl Acad Sci U S A. 1991 Aug 1;88(15):6608-12.
PMID: 1862085 [PubMed - indexed for MEDLINE]

■ 15: [Wolf JB, David VA, Deutch AII](#) [Related Articles](#) [Links](#)

■ Identification of a distal regulatory element in the 5' flanking region of the bovine prolactin gene.
Nucleic Acids Res. 1990 Aug 25;18(16):4905-12.
PMID: 2395650 [PubMed - indexed for MEDLINE]

■ 16: [Pollock AS, Long JA](#) [Related Articles](#) [Links](#)

■ The 5'region of the rat phosphoenolpyruvate carboxykinase gene confers pH sensitivity to chimeric genes expressed in renal and liver cell lines capable of expressing PEPCK.
Biochem Biophys Res Commun. 1989 Oct 16;164(1):81-7.
PMID: 2553024 [PubMed - indexed for MEDLINE]

■ 17: [Uesugi S, Nishikawa S](#) [Related Articles](#) [Links](#)

[Structure and regulation of the expression of the human growth hormone gene and processing of the precursors]
Nippon Rinsho. 1989 Oct;47(10):2187-96. Japanese. No abstract available.
PMID: 2607622 [PubMed - indexed for MEDLINE]

18: [Cunningham BC, Jhurani P, Ng P, Wells JA.](#) [Related Articles](#), [Links](#)

Receptor and antibody epitopes in human growth hormone identified by homolog-scanning mutagenesis.
Science. 1989 Mar 10;243(4896):1330-6.
PMID: 2466339 [PubMed - indexed for MEDLINE]

19: [Russell AF, Crenshaw EB 3rd, Lira SA, Simmons DM, Swanson L, Rosenfeld MG.](#) [Related Articles](#), [Links](#)

Neuronal expression of chimeric genes in transgenic mice.
Neuron. 1988 Jun;1(4):311-20.
PMID: 3078520 [PubMed - indexed for MEDLINE]

20: [Cattini PA, Eberhardt NL.](#) [Related Articles](#), [Links](#)

Regulated expression of chimaeric genes containing the 5'-flanking regions of human growth hormone-related genes in transiently transfected rat anterior pituitary tumor cells.
Nucleic Acids Res. 1987 Feb 11;15(3):1297-309.
PMID: 3644237 [PubMed - indexed for MEDLINE]

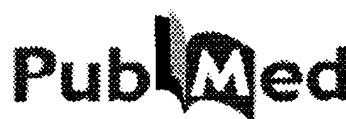
21: [Liebhäber SA, Ray J, Cooke NE.](#) [Related Articles](#), [Links](#)

Synthesis of growth hormone-prolactin chimeric proteins and processing mutants by the exchange and deletion of genomic exons.
J Biol Chem. 1986 Oct 25;261(30):14301-6.
PMID: 3021735 [PubMed - indexed for MEDLINE]

22: [Wagner EF, Covarrubias L, Stewart TA, Mintz B.](#) [Related Articles](#), [Links](#)

Prenatal lethaliies in mice homozygous for human growth hormone gene sequences integrated in the germ line.
Cell. 1983 Dec;35(3 Pt 2):647-55.
PMID: 6580963 [PubMed - indexed for MEDLINE]

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PMID: 12444890 [PubMed - indexed for MEDLINE]

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Horm Res. 2002;58 Suppl 3:2-6. Review.

PMID: 12435888 [PubMed - indexed for MEDLINE]

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14: Transcription factor SOX3 is involved in X-linked mental retardation with growth hormone deficiency.

Am J Hum Genet. 2002 Dec;71(6):1450-5. Epub 2002 Nov 08.

PMID: 12428212 [PubMed - indexed for MEDLINE]

15: Kaltsas GA, Kola B, Borboli N, Morris DG, Gueorguiev M, Swords EM, Czirjak S, Kirschner LS, Stratakis CA, Korbonits M, Grossman AB,...

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 Sequence analysis of the PRKAR1A gene in sporadic somatotroph and other pituitary tumours.
Clin Endocrinol (Oxf). 2002 Oct;157(4):443-8.
PMID: 12354125 [PubMed - indexed for MEDLINE]

 9: [Quinteiro C, Castro-Feijoo L, Loidi L, Barreiro J, de la Fuente M, Dominguez F, Pombo M](#) Related Articles, Links

 Novel mutation involving the translation initiation codon of the growth hormone receptor gene (GHR) in a patient with Laron syndrome.
J Pediatr Endocrinol Metab. 2002 Jul-Aug;15(7):1041-5.
PMID: 12199334 [PubMed - indexed for MEDLINE]

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 Functional promiscuity of squirrel monkey growth hormone receptor toward both primate and nonprimate growth hormones.
Mol Biol Evol. 2002 Jul;19(7):1083-92.
PMID: 12082127 [PubMed - indexed for MEDLINE]

 11: [Elikov AV, Hayes RJ, Luo P, Stark DM, Chan C, Kundu A, Dahiyat BI](#) Related Articles, Links

 Computational stabilization of human growth hormone.
Protein Sci. 2002 Jun;11(6):1452-61.
PMID: 12021444 [PubMed - indexed for MEDLINE]

 12: [Katsumata N, Matsuo S, Sato N, Tanaka T](#) Related Articles, Links

 A novel and de novo splice-donor site mutation in intron 3 of the GH-1 gene in a patient with isolated growth hormone deficiency.
Growth Horm IGF Res. 2001 Dec;11(6):378-83.
PMID: 11914025 [PubMed - indexed for MEDLINE]

 13: [Seoane S, Alonso M, Segura C, Perez-Fernandez R](#) Related Articles, Links

 Localization of a negative vitamin D response sequence in the human growth hormone gene.
Biochem Biophys Res Commun. 2002 Mar 22;292(1):250-5.
PMID: 11890700 [PubMed - indexed for MEDLINE]

 14: [Salvatori R, Fan X, Mullis PE, Haile A, Levine MA](#) Related Articles, Links

 Decreased expression of the GHRH receptor gene due to a mutation in a Pit-1 binding site.
Mol Endocrinol. 2002 Mar;16(3):450-8.
PMID: 11875102 [PubMed - indexed for MEDLINE]

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 A defined locus control region determinant links chromatin domain acetylation with long-range gene activation.
Mol Cell. 2002 Feb;9(2):291-302.
PMID: 11864603 [PubMed - indexed for MEDLINE]

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 An exon splice enhancer mutation causes autosomal dominant GH deficiency.
J Clin Endocrinol Metab. 2002 Feb;187(2):847-52.
PMID: 11836331 [PubMed - indexed for MEDLINE]

 17: [Kojike H, Motooka M, Konda T, Onigata K, Murakami M, Suzuki T, Kobayashi I](#) Related Articles, Links

 Detection of point mutation for human growth hormone in patients with anti-pituitary antibody positive type 1 diabetes mellitus.
J Int Med Res. 2001 Sep-Oct;29(5):397-408.

PMID: 11725827 [PubMed - indexed for MEDLINE]

18: [Sjoberg M, Salazar T, Espinosa C, Dagnino A, Avila A, Eggers M, et al.](#) Related Articles, Links
Cassolla F, Carvalho P, Mericq MV.

 Study of GH sensitivity in chilean patients with idiopathic short stature.
J Clin Endocrinol Metab. 2001 Sep;86(9):4375-81.
PMID: 11549678 [PubMed - indexed for MEDLINE]

19: [Lee EJ, Kotlar TJ, Ciric I, Lee MK, Lim SK, Lee HC, Huh KB, Mayo KE, Jameson JL](#). Related Articles, Links

 Absence of constitutively activating mutations in the GHRH receptor in GH-producing pituitary tumors.
J Clin Endocrinol Metab. 2001 Aug;86(8):3989-95.
PMID: 11502843 [PubMed - indexed for MEDLINE]

20: [Salerno M, Balestrieri B, Matrecano E, Officiso A, Rosenthal RG, Di Maio S, Fimiani G, Ursini MV, Pignata C](#). Related Articles, Links

 Abnormal GH receptor signaling in children with idiopathic short stature.
J Clin Endocrinol Metab. 2001 Aug;86(8):3882-8.
PMID: 11502828 [PubMed - indexed for MEDLINE]

21: [Binder G, Keller E, Mix M, Massa GG, Stokvis-Brantsma WH, Wit JM, Ranke MB](#). Related Articles, Links

 Isolated GH deficiency with dominant inheritance: new mutations, new insights.
J Clin Endocrinol Metab. 2001 Aug;86(8):3877-81.
PMID: 11502827 [PubMed - indexed for MEDLINE]

22: [Zhong J, Peters AJ, Kasper K, Braun RE](#). Related Articles, Links

 A highly conserved sequence essential for translational repression of the protamine 1 messenger rna in murine spermatids.
Biol Reprod. 2001 Jun;64(6):1784-9.
PMID: 11369609 [PubMed - indexed for MEDLINE]

23: [Peri A, Conforti B, Baglioni-Peri S, Luciani P, Cioppi F, Buci L, Corbetta S, Ballare E, Serio M, Spada A](#). Related Articles, Links

 Expression of cyclic adenosine 3',5'-monophosphate (cAMP)-responsive element binding protein and inducible-cAMP early repressor genes in growth hormone-secreting pituitary adenomas with or without mutations of the Gsalpha gene.
J Clin Endocrinol Metab. 2001 May;86(5):2111-7.
PMID: 11344215 [PubMed - indexed for MEDLINE]

24: [Lechner PS, Croniger CM, Hakimi P, Millward C, Fekter C, Yun JS, Hanson RW](#). Related Articles, Links

 The use of transgenic mice to analyze the role of accessory factor two in the regulation of phosphoenolpyruvate carboxykinase (GTP) gene transcription during diabetes.
J Biol Chem. 2001 Jun 22;276(25):22675-9. Epub 2001 Apr 17.
PMID: 11309401 [PubMed - indexed for MEDLINE]

25: [Tierney MJ, Medcalf RL](#). Related Articles, Links

 Plasminogen activator inhibitor type 2 contains mRNA instability elements within exon 4 of the coding region. Sequence homology to coding region instability determinants in other mRNAs.
J Biol Chem. 2001 Apr 27;276(17):13675-84. Epub 2001 Jan 26.
PMID: 11278713 [PubMed - indexed for MEDLINE]

26: [Corbetta S, Ballare E, Mantovani G, Lania A, Losa M, Di Blasio AM, Spada A](#). Related Articles, Links

 Somatostatin receptor subtype 2 and 5 in human GH-secreting pituitary adenomas: analysis of gene sequence and mRNA expression.
Eur J Clin Invest. 2001 Mar;31(3):208-14.
PMID: 11264647 [PubMed - indexed for MEDLINE]

 27: [Salvatori R, Fan X, Phillips JA 3rd, Espigares-Martin R, Martin De](#) Related Articles, Links
[Lara J, Freeman KL, Plotnick L, Al-Ashwal A, Levine MA](#)

 Three new mutations in the gene for the growth hormone (gh)-releasing hormone receptor in familial isolated gh deficiency type ib.
J Clin Endocrinol Metab. 2001 Jan;86(1):273-9.
PMID: 11232012 [PubMed - indexed for MEDLINE]

 28: [Norquay LD, Jin Y, Surabhi RM, Gietz RD, Tanese N, Cattini PA](#) Related Articles, Links

 A member of the nuclear factor-1 family is involved in the pituitary repression of the human placental growth hormone genes.
Biochem J. 2001 Mar 1;354(Pt 2):387-95.
PMID: 11171118 [PubMed - indexed for MEDLINE]

 29: [Buchfelder M, Fahlbusch R, Merz T, Symowski H, Adams EF](#) Related Articles, Links

 Clinical correlates in acromegalic patients with pituitary tumors expressing GSP oncogenes.
Pituitary. 1999 May;1(3-4):181-5. Review.
PMID: 11081196 [PubMed - indexed for MEDLINE]

 30: [Fofanova OV, Takamura N, Kinoshita E, Parks JS, Brown MR, Peterkova VA, Evgrafov OV, Goncharov NP, Bulatov AA, Dedov II, Yamashita S](#) Related Articles, Links

 A mutational hot spot in the Prop-1 gene in Russian children with combined pituitary hormone deficiency.
Pituitary. 1998 Apr;1(1):45-9.
PMID: 11081182 [PubMed - indexed for MEDLINE]

 31: [Tauber MT, Porra V, Dastot F, Molinas C, Amselem S, Cholin S, Rochiccioli P, Bieth E](#) Related Articles, Links

 Heterozygous mutation in the WSXWS equivalent motif of the growth hormone receptor in a child with poor response to growth hormone therapy.
Growth Horm IGF Res. 1998 Jun;8(3):211-6.
PMID: 10984309 [PubMed - indexed for MEDLINE]

 32: [Adams EF, Symowski H, Buchfelder M, Poyner DR](#) Related Articles, Links

 A polymorphism in the growth hormone (GH)-releasing hormone (GHRH) receptor gene is associated with elevated response to GHRH by human pituitary somatotrophinomas in vitro.
Biochem Biophys Res Commun. 2000 Aug 18;275(1):33-6.
PMID: 10944436 [PubMed - indexed for MEDLINE]

 33: [Ogawa M, Kanjyo T, Igashiki Y, Nishi Y, Iwatani N, Kohno H, Koga J, Byun YJ](#) Related Articles, Links

 Prevalence of GH-1 gene deletion in patients with isolated growth hormone deficiency in Japan. GH Gene Study Group.
Endocr J. 2000 Apr;47(2):157-62.
PMID: 10943739 [PubMed - indexed for MEDLINE]

 34: [Enberg B, Luthman H, Segnestam K, Ritzen EM, Sundstrom M, Norsiedt G](#) Related Articles, Links

 Characterisation of novel missense mutations in the GH receptor gene causing severe growth retardation.
Eur J Endocrinol. 2000 Jul;143(1):71-6.

PMID: 10870033 [PubMed - indexed for MEDLINE]

 **35:** [Stofega MR, Argetsinger LS, Wang H, Ullrich A, Carter-Su C](#) [Related Articles](#), [Links](#)
 Negative regulation of growth hormone receptor/JAK2 signaling by signal regulatory protein alpha.
J Biol Chem. 2000 Sep 8;275(36):28222-9.
PMID: 10842184 [PubMed - indexed for MEDLINE]

 **36:** [Johnston LB, Pashankar F, Camacho-Hubner C, Savage MO, Clark AJ](#) [Related Articles](#), [Links](#)
 Analysis of the intracellular signalling domain of the human growth hormone receptor in children with idiopathic short stature.
Clin Endocrinol (Oxf). 2000 Apr;152(4):463-9.
PMID: 10762289 [PubMed - indexed for MEDLINE]

 **37:** [Richardson BD, Langland RA, Bachurski CJ, Richards RG, Kessler CA, Cheng YI, Handwerger S](#) [Related Articles](#), [Links](#)
 Activator protein-2 regulates human placental lactogen gene expression.
Mol Cell Endocrinol. 2000 Feb 25;160(1-2):183-92.
PMID: 10715552 [PubMed - indexed for MEDLINE]

 **38:** [Alam KS, Fujikawa T, Yoshizato H, Tanaka M, Nakashima K](#) [Related Articles](#), [Links](#)
 Synthesis and purification of a deleted human growth hormone, hGH delta 135-146: sensitivity to plasmin cleavage and in vitro and in vivo bioactivities.
J Biotechnol. 2000 Feb 28;78(1):49-59.
PMID: 10702910 [PubMed - indexed for MEDLINE]

 **39:** [Abdul-Latif II, Leiberman E, Brown MR, Carmi R, Parks JS](#) [Related Articles](#), [Links](#)
 Growth hormone deficiency type IB caused by cryptic splicing of the GH-1 gene.
J Pediatr Endocrinol Metab. 2000 Jan;13(1):21-8.
PMID: 10689634 [PubMed - indexed for MEDLINE]

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 High copy display of large proteins on phage for functional selections.
J Mol Biol. 2000 Feb 18;296(2):487-95.
PMID: 10669603 [PubMed - indexed for MEDLINE]

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 Impaired adrenocorticotropin-adrenal axis in combined pituitary hormone deficiency caused by a two-base pair deletion (301-302delAG) in the prophet of Pit-1 gene.
J Clin Endocrinol Metab. 2000 Jan;185(1):390-7.
PMID: 10634415 [PubMed - indexed for MEDLINE]

 **42:** [Willoughby DA, Vilalta A, Oshima RG](#) [Related Articles](#), [Links](#)
 An Alu element from the K18 gene confers position-independent expression in transgenic mice.
J Biol Chem. 2000 Jan 14;275(2):759-68.
PMID: 10625605 [PubMed - indexed for MEDLINE]

 **43:** [Vleurick L, Pezet A, Kuhn ER, Decuypere E, Edery M](#) [Related Articles](#), [Links](#)
 A beta-turn endocytic code is required for optimal internalization of the growth hormone receptor but not for alpha-adaptin association.
Mol Endocrinol. 1999 Nov;13(11):1823-31.
PMID: 10551776 [PubMed - indexed for MEDLINE]

44: Kamijo T, Hayashi Y, Seo H, Ogawa M. Related Articles, Links
Hereditary isolated growth hormone deficiency caused by GH1 gene mutations in Japanese patients. *Growth Horm IGF Res.* 1999 Jun;9 Suppl B:31-4; discussion 35-6. Review. PMID: 10549303 [PubMed - indexed for MEDLINE]

45: Tomonari A, Yoshimoto K, Mizusawa N, Iwahana H, Itakura M. Related Articles, Links
Differential regulation of the human insulin gene transcription by GG1 and GG2 elements with GG- and C1-binding factors. *Biochim Biophys Acta.* 1999 Sep 3;1446(3):233-42. PMID: 10524198 [PubMed - indexed for MEDLINE]

46: Yamamoto Y, Katsumata N, Koga J, Tanaka T. Related Articles, Links
Selective amplification of exons 3 and 8 of the human growth hormone receptor (hGHR) gene based on newly identified intron sequences. *Endocr J.* 1999 Jun;46(3):415-9. PMID: 10503994 [PubMed - indexed for MEDLINE]

47: Kinet S, Bernichttein S, Kelly PA, Martial JA, Goffin V. Related Articles, Links
Biological properties of human prolactin analogs depend not only on global hormone affinity, but also on the relative affinities of both receptor binding sites. *J Biol Chem.* 1999 Sep 10;274(37):26033-43. PMID: 10473550 [PubMed - indexed for MEDLINE]

48: Jin Y, Surabhi RM, Fresnoza A, Lytras A, Cattini PA. Related Articles, Links
A role for A/T-rich sequences and Pit-1/GHF-1 in a distal enhancer located in the human growth hormone locus control region with preferential pituitary activity in culture and transgenic mice. *Mol Endocrinol.* 1999 Aug;13(8):1249-66. PMID: 10446901 [PubMed - indexed for MEDLINE]

49: Alcorn JL, Hammer RE, Graves KR, Smith ME, Maika SD, Michael LF, Gao E, Wang Y, Mendelson CR. Related Articles, Links
Analysis of genomic regions involved in regulation of the rabbit surfactant protein A gene in transgenic mice. *Am J Physiol.* 1999 Aug;277(2 Pt 1):L349-61. PMID: 10444530 [PubMed - indexed for MEDLINE]

50: Iguchi G, Okimura Y, Takahashi T, Mizuno I, Fumoto M, Takahashi Y, Kaji H, Abe H, Chihara K. Related Articles, Links
Cloning and characterization of the 5'-flanking region of the human growth hormone-releasing hormone receptor gene. *J Biol Chem.* 1999 Apr 23;274(17):12108-14. PMID: 10207037 [PubMed - indexed for MEDLINE]

51: Shanske A, Ellison J, Vuguin P, Dowling P, Wasserman E, Heinrich J, Saenger P. Related Articles, Links
Deletion of the pseudoautosomal region in a male with a unique Y;13 translocation and short stature. *Am J Med Genet.* 1999 Jan 1;82(1):34-9. PMID: 9916840 [PubMed - indexed for MEDLINE]

52: Kaji H, Tai S, Okimura Y, Iguchi G, Takahashi Y, Abe H, Chihara K. Related Articles, Links
Cloning and characterization of the 5'-flanking region of the human growth hormone secretagogue receptor gene. *J Biol Chem.* 1998 Dec 18;273(51):33885-8.

PMID: 9852035 [PubMed - indexed for MEDLINE]

 **53:** [Procter AM, Phillips JA 3rd, Cooper DN.](#) [Related Articles](#), [Links](#)
 The molecular genetics of growth hormone deficiency.
Hum Genet. 1998 Sep;103(3):255-72. Review.
PMID: 9799079 [PubMed - indexed for MEDLINE]

 **54:** [Mone CM, Nigro V, Rotondi M, Del Buono A, Mazzotti G, Riondino M, Sinisi AM, Ghizzoni I, Phillips JA 3rd, Bellastella A, Carella C.](#) [Related Articles](#), [Links](#)
 An improved polymerase chain reaction (PCR) protocol for unambiguous detection of growth hormone gene deletions.
J Pediatr Endocrinol Metab. 1998 Jul-Aug;11(4):563-8.
PMID: 9777578 [PubMed - indexed for MEDLINE]

 **55:** [Esposito N, Wojeik J, Chomilier J, Martini JF, Kelly PA, Finidori L, Postel-Vinay MC.](#) [Related Articles](#), [Links](#)
 The D152H mutation found in growth hormone insensitivity syndrome impairs expression and function of human growth hormone receptor but is silent in rat receptor.
J Mol Endocrinol. 1998 Aug;21(1):61-72.
PMID: 9723864 [PubMed - indexed for MEDLINE]

 **56:** [McCarthy EM, Phillips JA 3rd.](#) [Related Articles](#), [Links](#)
 Characterization of an intron splice enhancer that regulates alternative splicing of human GH pre-mRNA.
Hum Mol Genet. 1998 Sep;7(9):1491-6.
PMID: 9700205 [PubMed - indexed for MEDLINE]

 **57:** [Mohri J, Taniike M, Fujimura H, Matsuoka T, Inui K, Nagai T, Okada S.](#) [Related Articles](#), [Links](#)
 A case of Kearns-Sayre syndrome showing a constant proportion of deleted mitochondrial DNA in blood cells during 6 years of follow-up.
J Neurol Sci. 1998 Jun 11;158(1):106-9. Review.
PMID: 9667787 [PubMed - indexed for MEDLINE]

 **58:** [Barrera-Saldana HA.](#) [Related Articles](#), [Links](#)
 Growth hormone and placental lactogen: biology, medicine and biotechnology.
Gene. 1998 Apr 28;211(1):11-8. Review.
PMID: 9573334 [PubMed - indexed for MEDLINE]

 **59:** [Weinzimer SA, McDonald-McGinn DM, Driscoll DA, Emanuel BS, Zackai EH, Moshang T Jr.](#) [Related Articles](#), [Links](#)
 Growth hormone deficiency in patients with 22q11.2 deletion: expanding the phenotype.
Pediatrics. 1998 May;101(5):929-32.
PMID: 9565428 [PubMed - indexed for MEDLINE]

 **60:** [Gertner JM, Wajnrajch MP, Leibel RL.](#) [Related Articles](#), [Links](#)
 Genetic defects in the control of growth hormone secretion.
Horm Res. 1998;49 Suppl 1:9-14.
PMID: 9554464 [PubMed - indexed for MEDLINE]

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 A novel single basepair insertion in exon 6 of the Bruton's tyrosine kinase (Btk) gene from a Japanese X-linked agammaglobulinemia patient with growth hormone insufficiency.

Hum Mutat. 1998;11(4):336.
PMID: 9554752 [PubMed - indexed for MEDLINE]

□ 62: [Netchine I](#), [Talon P](#), [Dastot F](#), [Vitaux F](#), [Goossens M](#), [Amselem S](#). Related Articles, Links
Extensive phenotypic analysis of a family with growth hormone (GH) deficiency caused by a mutation in the GH-releasing hormone receptor gene.
J Clin Endocrinol Metab. 1998 Feb;83(2):432-6.
PMID: 9467553 [PubMed - indexed for MEDLINE]

□ 63: [Wu W](#), [Cogan JD](#), [Pfaffle RW](#), [Dassen JS](#), [Frisch H](#), [O'Connell SM](#). Related Articles, Links
[Flynn SE](#), [Brown MR](#), [Mullis PE](#), [Parks JS](#), [Phillips JA 3rd](#),
[Rosenfeld MG](#).
Mutations in PROP1 cause familial combined pituitary hormone deficiency.
Nat Genet. 1998 Feb;18(2):147-9.
PMID: 9462743 [PubMed - indexed for MEDLINE]

□ 64: [Park H](#), [Park SS](#), [Jin EH](#), [Song JS](#), [Ryu SE](#), [Yu MH](#), [Hong JH](#). Related Articles, Links
Identification of functionally important residues of human thrombopoietin.
J Biol Chem. 1998 Jan 2;273(1):256-61.
PMID: 9417073 [PubMed - indexed for MEDLINE]

□ 65: [Feighner SD](#), [Howard AD](#), [Prendergast K](#), [Palyha OC](#), [Ireniuk DL](#), [Nargund R](#), [Underwood D](#), [Tata JR](#), [Dean DC](#), [Tan CP](#),
[McKee KK](#), [Woods JW](#), [Patchett AA](#), [Smith RG](#), [Van der Ploeg LH](#). Related Articles, Links
Structural requirements for the activation of the human growth hormone secretagogue receptor by peptide and nonpeptide secretagogues.
Mol Endocrinol. 1998 Jan;12(1):137-45.
PMID: 9440817 [PubMed - indexed for MEDLINE]

□ 66: [Missarelli C](#), [Herrera L](#), [Mericq V](#), [Carvalho P](#). Related Articles, Links
Two different 5' splice site mutations in the growth hormone gene causing autosomal dominant growth hormone deficiency.
Hum Genet. 1997 Nov;101(1):113-7.
PMID: 9385381 [PubMed - indexed for MEDLINE]

□ 67: [Suzuki T](#), [Kanaya T](#), [Okazaki H](#), [Ogawa K](#), [Usami A](#), [Watanabe H](#). Related Articles, Links
[Kadono-Okuda K](#), [Yamakawa M](#), [Sato H](#), [Mori H](#), [Takahashi S](#),
[Oda K](#).
Efficient protein production using a *Bombyx mori* nuclear polyhedrosis virus lacking the cysteine proteinase gene.
J Gen Virol. 1997 Dec;78 (Pt 12):3073-80.
PMID: 9400955 [PubMed - indexed for MEDLINE]

□ 68: [Perez-Jurado LA](#), [Argente J](#), [Barrios V](#), [Pozo J](#), [Munoz MT](#),
[Hernandez M](#), [Francke U](#). Related Articles, Links
Molecular diagnosis and endocrine evaluation of a patient with a homozygous 7.0 kb deletion of the growth hormone (GH) gene cluster: response to biosynthetic GH therapy.
J Pediatr Endocrinol Metab. 1997 Mar-Apr;10(2):185-90.
PMID: 9364351 [PubMed - indexed for MEDLINE]

□ 69: [Kuhlmann BV](#), [Mullis PE](#). Related Articles, Links
Genetics of the growth hormone axis.
J Pediatr Endocrinol Metab. 1997 Mar-Apr;10(2):161-74. Review. No abstract available.
PMID: 9364349 [PubMed - indexed for MEDLINE]

□ 70: [Nishi Y](#), [Ogawa M](#), [Kamijo T](#), [Igarashi Y](#), [Iwatani N](#), [Kohno H](#). Related Articles, Links

Masumura T, Byun Y, Koga J.

 A case of isolated growth hormone (GH) deficiency with compound heterozygous abnormality at the GH-1 gene locus.
J Pediatr Endocrinol Metab. 1997 Jan-Feb;10(1):73-6.
PMID: 9364346 [PubMed - indexed for MEDLINE]

 71: Kaji H, Nose O, Tajiri H, Takahashi Y, Suda K, Takahashi T, Okimura Y, Abe H, Chihara K. [Related Articles](#), [Links](#)

 Novel compound heterozygous mutations of growth hormone (GH) receptor gene in a patient with GH insensitivity syndrome.
J Clin Endocrinol Metab. 1997 Nov;82(11):3705-9.
PMID: 9360529 [PubMed - indexed for MEDLINE]

 72: Desbois-Mouthon C, Magre J, Duprey J, Caron M, Blivet-Van Eggelooijen MJ, Daubas C, Gourmelen M, Chevallier B, Rizkalla S, Robert JJ, Capeau J. [Related Articles](#), [Links](#)

 Major circadian variations of glucose homeostasis in a patient with Rabson-Mendenhall syndrome and primary insulin resistance due to a mutation (Cys284-->Tyr) in the insulin receptor alpha-subunit.
Pediatr Res. 1997 Jul;42(1):72-7.
PMID: 9212040 [PubMed - indexed for MEDLINE]

 73: Cogan JD, Prince MA, Lekhakula S, Bunney S, Futrakul A, McCarthy EM, Phillips JA 3rd. [Related Articles](#), [Links](#)

 A novel mechanism of aberrant pre-mRNA splicing in humans.
Hum Mol Genet. 1997 Jun;6(6):909-12.
PMID: 9175738 [PubMed - indexed for MEDLINE]

 74: Putzolu M, Meloni A, Loche S, Pischedda C, Cao A, Moi P. [Related Articles](#), [Links](#)

 A homozygous nonsense mutation of the human growth hormone receptor gene in a Sardinian boy with Laron-type dwarfism.
J Endocrinol Invest. 1997 May;20(5):286-8.
PMID: 9258809 [PubMed - indexed for MEDLINE]

 75: Hackett RL, Wang YD, Sweitzer S, Feldman G, Wood WI, Larmer AC. [Related Articles](#), [Links](#)

 Mapping of a cytoplasmic domain of the human growth hormone receptor that regulates rates of inactivation of Jak2 and Stat proteins.
J Biol Chem. 1997 Apr 25;272(17):11128-32.
PMID: 9111009 [PubMed - indexed for MEDLINE]

 76: Marini JC, Gerber NL. [Related Articles](#), [Links](#)

 Osteogenesis imperfecta. Rehabilitation and prospects for gene therapy.
JAMA. 1997 Mar 5;277(9):746-50. No abstract available.
PMID: 9042848 [PubMed - indexed for MEDLINE]

 77: Miyata I, Cogan JD, Prince MA, Kamijo T, Ogawa M, Phillips JA. [Related Articles](#), [Links](#)

 Detection of growth hormone gene defects by dideoxy fingerprinting (ddF).
Endocr J. 1997 Feb;44(1):149-54.
PMID: 9152628 [PubMed - indexed for MEDLINE]

 78: Sobrier ML, Dastot F, Duquesnoy P, Kandemir N, Yordan N, Goossens M, Amselem S. [Related Articles](#), [Links](#)

 Nine novel growth hormone receptor gene mutations in patients with Laron syndrome.
J Clin Endocrinol Metab. 1997 Feb;82(2):435-7.
PMID: 9024232 [PubMed - indexed for MEDLINE]

79: Reyes AA, Carrera P, Cardillo E, Ugozzoli L, Lowery JD, Lin CL, Go M, Ferrari M, Wallace RB. [Related Articles](#), [Links](#)
Ligase chain reaction assay for human mutations: the Sickle Cell by LCR assay.
Clin Chem. 1997 Jan;43(1):40-4.
PMID: 8990220 [PubMed - indexed for MEDLINE]

80: Mayo KE, Miller TL, DeAlmida V, Zheng J, Godfrey PA. [Related Articles](#), [Links](#)
The growth-hormone-releasing hormone receptor: signal transduction, gene expression, and physiological function in growth regulation.
Ann N Y Acad Sci. 1996 Dec 26;805:184-203. Review.
PMID: 8993403 [PubMed - indexed for MEDLINE]

81: Ihara C, Shimatsu A, Murabe H, Kataoka K, Kondo C, Nakao K. [Related Articles](#), [Links](#)
Growth hormone-secreting pituitary adenoma associated with multiple bone cysts, skin pigmentation and aortitis syndrome.
J Endocrinol Invest. 1996 Dec;19(11):753-7.
PMID: 9061509 [PubMed - indexed for MEDLINE]

82: Tomonari A, Yoshimoto K, Tanaka M, Iwahana H, Miyazaki J, Itakura M. [Related Articles](#), [Links](#)
GGAAAT motifs play a major role in transcriptional activity of the human insulin gene in a pancreatic islet beta-cell line MIN6.
Diabetologia. 1996 Dec;39(12):1462-8.
PMID: 8960827 [PubMed - indexed for MEDLINE]

83: Oka K, Ishimura-Oka K, Chu MJ, Chan L. [Related Articles](#), [Links](#)
Transcription of the human hepatic lipase gene is modulated by multiple negative elements in HepG2 cells.
Gene. 1996 Nov 21;180(1-2):69-80.
PMID: 8973349 [PubMed - indexed for MEDLINE]

84: Jahroudi N, Ardekani AM, Greenberger JS. [Related Articles](#), [Links](#)
Ionizing irradiation increases transcription of the von Willebrand factor gene in endothelial cells.
Blood. 1996 Nov 15;88(10):3801-14.
PMID: 8916944 [PubMed - indexed for MEDLINE]

85: Binder G, Brown M, Parks JS. [Related Articles](#), [Links](#)
Mechanisms responsible for dominant expression of human growth hormone gene mutations.
J Clin Endocrinol Metab. 1996 Nov;81(11):4047-50.
PMID: 8923859 [PubMed - indexed for MEDLINE]

86: Cohen LE, Wondisford FE, Radovick S. [Related Articles](#), [Links](#)
Role of Pit-1 in the gene expression of growth hormone, prolactin, and thyrotropin.
Endocrinol Metab Clin North Am. 1996 Sep;25(3):523-40. Review.
PMID: 8879985 [PubMed - indexed for MEDLINE]

87: Kinet S, Goffin V, Mainsfroid V, Martial JA. [Related Articles](#), [Links](#)
Characterization of lactogen receptor-binding site 1 of human prolactin.
J Biol Chem. 1996 Jun 14;271(24):14353-60.
PMID: 8662911 [PubMed - indexed for MEDLINE]

88: Kato Y, Maruyama O, Chung HO, Tomizawa K, Kato T. [Related Articles](#), [Links](#)
Amino acids in highly conserved regions near the C-terminus of rat prolactin (PRL) play critical roles similar to those in binding of human GH

to the PRL receptor.

Biochem Biophys Res Commun. 1996 May 15;222(2):547-52.

PMID: 8670242 [PubMed - indexed for MEDLINE]

89: Haro LS, Singh RN, Lewis UJ, Martinez AO, Galosy SS, Staten NR, Krivi GG. [Related Articles](#) [Links](#)

Human growth hormone deletion mutant (hGH44-191) binds with high affinity to lactogenic receptors but not to somatogenic receptors. Biochem Biophys Res Commun. 1996 May 15;222(2):421-6. PMID: 8670221 [PubMed - indexed for MEDLINE]

90: Ray MK, Chen CY, Schwartz RJ, DeMayo FJ. [Related Articles](#) [Links](#)

Transcriptional regulation of a mouse Clara cell-specific protein (mCC10) gene by the NKx transcription factor family members thyroid transcription factor 1 and cardiac muscle-specific homeobox protein (CSX). Mol Cell Biol. 1996 May;16(5):2056-64. PMID: 8628271 [PubMed - indexed for MEDLINE]

91: Datson NA, van de Vosse E, Dauwerse HG, Bout M, van Ommen GJ, den Dunnen JT. [Related Articles](#) [Links](#)

Scanning for genes in large genomic regions: cosmid-based exon trapping of multiple exons in a single product. Nucleic Acids Res. 1996 Mar 15;24(6):1105-11. PMID: 8604345 [PubMed - indexed for MEDLINE]

92: Zogopoulos G, Figueiredo R, Jenab A, Ali Z, Lefebvre Y, Goodyer CG. [Related Articles](#) [Links](#)

Expression of exon 3-retaining and -deleted human growth hormone receptor messenger ribonucleic acid isoforms during development. J Clin Endocrinol Metab. 1996 Feb;81(2):775-82. PMID: 8636303 [PubMed - indexed for MEDLINE]

93: Sillen A, Wadelius C, Sundvall M, Ahlsten G, Gustavson KJ. [Related Articles](#) [Links](#)

Hyperkalemic periodic paralysis caused by recurring mutation in the adult muscle sodium channel alpha-subunit gene. Genet Couns. 1996;7(4):267-75. PMID: 8985730 [PubMed - indexed for MEDLINE]

94: Wajrajkha MP, Gertner JM, Harbison MD, Chua SC Jr, Leibel RL. [Related Articles](#) [Links](#)

Nonsense mutation in the human growth hormone-releasing hormone receptor causes growth failure analogous to the little (lit) mouse. Nat Genet. 1996 Jan;12(1):88-90. No abstract available. PMID: 8528260 [PubMed - indexed for MEDLINE]

95: Gofrin V, Martial JA, Summers NL. [Related Articles](#) [Links](#)

Use of a model to understand prolactin and growth hormone specificities. Protein Eng. 1995 Dec;8(12):1215-31. PMID: 8869634 [PubMed - indexed for MEDLINE]

96: Johnson SP, Adams DO. [Related Articles](#) [Links](#)

Sequence elements required for function of the MHC class II A beta gene promoter in murine macrophages. Cell Immunol. 1995 Dec;166(2):207-16. PMID: 7497522 [PubMed - indexed for MEDLINE]

97: Gurney AL, Wong SC, Henzel WJ, de Sauvage FJ. [Related Articles](#) [Links](#)

Distinct regions of c-Mpl cytoplasmic domain are coupled to the JAK-STAT signal transduction pathway and Shc phosphorylation. Proc Natl Acad Sci U S A. 1995 Jun 6;92(12):5292-6.

PMID: 7777500 [PubMed - indexed for MEDLINE]

 98: [Lu B, Federoff HJ](#)[Related Articles](#), [Links](#)

 Herpes simplex virus type 1 amplicon vectors with glucocorticoid-inducible gene expression.

Hum Gene Ther. 1995 Apr;6(4):419-28.

PMID: 7612699 [PubMed - indexed for MEDLINE]

 99: [Wang YD, Wood WI](#)[Related Articles](#), [Links](#)

 Amino acids of the human growth hormone receptor that are required for proliferation and Jak-STAT signaling.

Mol Endocrinol. 1995 Mar;9(3):303-11.

PMID: 7539888 [PubMed - indexed for MEDLINE]

 100: [Williams G, Ruegg N, Birch A, Weber C, Hofstadter K, Robinson JA, Aguet M, Garotta G, Schlatter D, Huber W](#)[Related Articles](#), [Links](#)

 Dissection of the extracellular human interferon gamma receptor alpha-chain into two immunoglobulin-like domains. Production in an *Escherichia coli* thioredoxin gene fusion expression system and recognition by neutralizing antibodies.

Biochemistry. 1995 Feb 7;34(5):1787-97.

PMID: 7849039 [PubMed - indexed for MEDLINE]

 101: [Battersby JE, Guzzetta AW, Hancock WS](#)[Related Articles](#), [Links](#)

 Application of capillary high-performance liquid chromatography to biotechnology, with reference to the analysis of recombinant DNA-derived human growth hormone.

J Chromatogr B Biomed Appl. 1994 Dec 9;662(2):335-42.

PMID: 7719487 [PubMed - indexed for MEDLINE]

 102: [Sugata F, Chen HS, Kaneko S, Purcell RJI, Miller RH](#)[Related Articles](#), [Links](#)

 Analysis of the X gene promoter of woodchuck hepatitis virus.

Virology. 1994 Nov 15;205(1):314-20.

PMID: 7975227 [PubMed - indexed for MEDLINE]

 103: [Ghizzoni L, Duquesnoy P, Torresani T, Vottero A, Goossens M, Bernasconi S](#)[Related Articles](#), [Links](#)

 Isolated growth hormone deficiency type IA associated with a 45-kilobase gene deletion within the human growth hormone gene cluster in an Italian family.

Pediatr Res. 1994 Nov;36(5):654-9.

PMID: 7877887 [PubMed - indexed for MEDLINE]

 104: [Bamberough P, Hedgecock CJ, Richards WG](#)[Related Articles](#), [Links](#)

 The interleukin-2 and interleukin-4 receptors studied by molecular modelling.

Structure. 1994 Sep 15;2(9):839-51.

PMID: 7529123 [PubMed - indexed for MEDLINE]

 105: [Hiraoka O, Anaguchi H, Yamasaki K, Fukunaga R, Nagata S, Ota Y](#)[Related Articles](#), [Links](#)

 Ligand binding domain of granulocyte colony-stimulating factor receptor.

J Biol Chem. 1994 Sep 2;269(35):22412-9.

PMID: 7520915 [PubMed - indexed for MEDLINE]

 106: [Cacciari E, Pirazzoli P, Gualandi S, Baroncini C, Baldazzi L, Trevisani B, Capelli M, Zucchinelli S, Balsamo A, Cicognani A, et al](#)[Related Articles](#), [Links](#)

Molecular study of human growth hormone gene cluster in three families

 with isolated growth hormone deficiency and similar phenotype.
Eur J Pediatr. 1994 Sep;153(9):635-41.
PMID: 7957420 [PubMed - indexed for MEDLINE]

 **107:** Aguilar RC, Retegui LA, Postei-Vinay MC, Roguin LP. [Related Articles](#), [Links](#)
 Allosteric effects of monoclonal antibodies on human growth hormone.
Mol Cell Biochem. 1994 Jul 13;136(1):35-42.
PMID: 7531816 [PubMed - indexed for MEDLINE]

 **108:** Jiang SW, Eberhardt NL. [Related Articles](#), [Links](#)
 The human chorionic somatomammotropin gene enhancer is composed of multiple DNA elements that are homologous to several SV40 enhancers.
J Biol Chem. 1994 Apr 8;269(14):10384-92.
PMID: 8144621 [PubMed - indexed for MEDLINE]

 **109:** Holz RW, Brondyk WH, Senter RA, Kuizon L, Macara IG. [Related Articles](#), [Links](#)
 Evidence for the involvement of Rab3A in Ca(2+)-dependent exocytosis from adrenal chromaffin cells.
J Biol Chem. 1994 Apr 8;269(14):10229-34.
PMID: 8144603 [PubMed - indexed for MEDLINE]

 **110:** Phenix KV, Mechan BM, Todd D, McNulty MS. [Related Articles](#), [Links](#)
 Transcriptional analysis and genome expression of chicken anaemia virus.
J Gen Virol. 1994 Apr;75 (Pt 4):905-9.
PMID: 8151304 [PubMed - indexed for MEDLINE]

 **111:** Liu C, Mason WS, Burch JB. [Related Articles](#), [Links](#)
 Identification of factor-binding sites in the duck hepatitis B virus enhancer and in vivo effects of enhancer mutations.
J Virol. 1994 Apr;68(4):2286-96.
PMID: 8139013 [PubMed - indexed for MEDLINE]

 **112:** Duquesnoy P, Sobrier ML, Duriez B, Dastot F, Buchanan CR, Savage MO, Precc M, Craescu CT, Blouquit Y, Goossens M, et al. [Related Articles](#), [Links](#)
 A single amino acid substitution in the exoplasmic domain of the human growth hormone (GH) receptor confers familial GH resistance (Laron syndrome) with positive GH-binding activity by abolishing receptor homodimerization.
EMBO J. 1994 Mar 15;13(6):1386-95.
PMID: 8137822 [PubMed - indexed for MEDLINE]

 **113:** Brown P, Cervenakova L, Goldfarb LG, McCombie WR, Rubenstein R, Will RG, Pochiari M, Martinez-Lage JF, Scalici C, Masullo C, et al. [Related Articles](#), [Links](#)
 Iatrogenic Creutzfeldt-Jakob disease: an example of the interplay between ancient genes and modern medicine.
Neurology. 1994 Feb;44(2):291-3.
PMID: 8309577 [PubMed - indexed for MEDLINE]

 **114:** Beitel J K, Prior L, Vasilicou DM, Gottlieb B, Kaufman M, Lumbroso R, Alvarado C, McGillivray B, Trifiro M, Pinsky L. [Related Articles](#), [Links](#)
 Complete androgen insensitivity due to mutations in the probable alpha-helical segments of the DNA-binding domain in the human androgen receptor.
Hum Mol Genet. 1994 Jan;3(1):21-7.
PMID: 8162033 [PubMed - indexed for MEDLINE]

 **115:** Wang Y, Yu LL, Sheng Q, Meng C, Sun J, Chen SS. [Related Articles](#), [Links](#)

 Analysis of human growth hormone gene 5' sequences in isolated growth hormone deficiency patients.
J Med Genet. 1994 Jan;31(1):81-2.
PMID: 8151648 [PubMed - indexed for MEDLINE]

 **116:** Deslys JP, Marce D, Dormont D. Related Articles, Links
 Similar genetic susceptibility in iatrogenic and sporadic Creutzfeldt-Jakob disease.
J Gen Virol. 1994 Jan;75 (Pt 1):23-7.
PMID: 8113733 [PubMed - indexed for MEDLINE]

 **117:** Baroncini C, Baldazzi L, Pirazzoli P, Marchetti G, Capelli M, Cacciari E, Bernardi F. Related Articles, Links
 Deletion breakpoints in a 32 bp perfect repeat located 45.1 Kb apart in the human growth hormone gene cluster.
Hum Mol Genet. 1993 Dec;2(12):2151-3. No abstract available.
PMID: 7906589 [PubMed - indexed for MEDLINE]

 **118:** Gao F, Alcorn JL, Mendelson CR. Related Articles, Links
 Identification of enhancers in the 5'-flanking region of the rabbit surfactant protein A (SP-A) gene and characterization of their binding proteins.
J Biol Chem. 1993 Sep 15;268(26):19697-709.
PMID: 8366111 [PubMed - indexed for MEDLINE]

 **119:** Simon AM, Burden SJ. Related Articles, Links
 An E box mediates activation and repression of the acetylcholine receptor delta-subunit gene during myogenesis.
Mol Cell Biol. 1993 Sep;13(9):5133-40.
PMID: 8355673 [PubMed - indexed for MEDLINE]

 **120:** Simon TC, Roth KA, Gordon JL. Related Articles, Links
 Use of transgenic mice to map cis-acting elements in the liver fatty acid-binding protein gene (Fabpl) that regulate its cell lineage-specific, differentiation-dependent, and spatial patterns of expression in the gut epithelium and in the liver acinus.
J Biol Chem. 1993 Aug 25;268(24):18345-58.
PMID: 8349710 [PubMed - indexed for MEDLINE]

 **121:** Motum PI, Lindeman R, Harvey MP, Trent RJ. Related Articles, Links
 Comparative studies of nondeletional HPFH gamma-globin gene promoters.
Exp Hematol. 1993 Jul;21(7):852-8. Erratum in: Exp Hematol 1993 Aug;21(9):1309.
PMID: 7686501 [PubMed - indexed for MEDLINE]

 **122:** Widmer U, Manogue KR, Cerami A, Sherry B. Related Articles, Links
 Genomic cloning and promoter analysis of macrophage inflammatory protein (MIP)-2, MIP-1 alpha, and MIP-1 beta, members of the chemokine superfamily of proinflammatory cytokines.
J Immunol. 1993 Jun 1;150(11):4996-5012.
PMID: 8496601 [PubMed - indexed for MEDLINE]

 **123:** Zambrowicz BP, Harendza CJ, Zimmermann JW, Brinster RL, Palmiter RD. Related Articles, Links
 Analysis of the mouse protamine 1 promoter in transgenic mice.
Proc Natl Acad Sci U S A. 1993 Jun 1;90(11):5071-5.
PMID: 8389466 [PubMed - indexed for MEDLINE]

124: Drews RT, Gravel RA, Collu R. [Related Articles](#) [Links](#)
 Identification of G protein alpha subunit mutations in human growth hormone (GH)- and GH/prolactin-secreting pituitary tumors by single-strand conformation polymorphism (SSCP) analysis. Mol Cell Endocrinol. 1992 Sep;87(1-3):125-9. PMID: 1446784 [PubMed - indexed for MEDLINE]

125: Schwindiger WF, Francomano CA, Levine MA. [Related Articles](#) [Links](#)
 Identification of a mutation in the gene encoding the alpha subunit of the stimulatory G protein of adenylyl cyclase in McCune-Albright syndrome. Proc Natl Acad Sci U S A. 1992 Jun 1;89(11):5152-6. PMID: 1594625 [PubMed - indexed for MEDLINE]

126: Brach MA, Kharbanda SM, Herrmann E, Kufe DW. [Related Articles](#) [Links](#)
 Activation of the transcription factor kappa B in human KG-1 myeloid leukemia cells treated with 1-beta-D-arabinofuranosylcytosine. Mol Pharmacol. 1992 Jan;41(1):60-3. PMID: 1732723 [PubMed - indexed for MEDLINE]

127: Ravid K, Doi T, Beeler DL, Kuter DJ, Rosenberg RD. [Related Articles](#) [Links](#)
 Transcriptional regulation of the rat platelet factor 4 gene: interaction between an enhancer/silencer domain and the GATA site. Mol Cell Biol. 1991 Dec;11(12):6116-27. PMID: 1944279 [PubMed - indexed for MEDLINE]

128: Duquesnoy P, Sobrier ML, Amselem S, Goossens M. [Related Articles](#) [Links](#)
 Defective membrane expression of human growth hormone (GH) receptor causes Laron-type GH insensitivity syndrome. Proc Natl Acad Sci U S A. 1991 Nov 15;88(22):10272-6. PMID: 1719554 [PubMed - indexed for MEDLINE]

129: Moran P, Caras IW. [Related Articles](#) [Links](#)
 A nonfunctional sequence converted to a signal for glycophosphatidylinositol membrane anchor attachment. J Cell Biol. 1991 Oct;115(2):329-36. PMID: 1717483 [PubMed - indexed for MEDLINE]

130: Voz ML, Peers B, Belavent A, Martial JA. [Related Articles](#) [Links](#)
 Characterization of an unusual thyroid response unit in the promoter of the human placental lactogen gene. J Biol Chem. 1991 Jul 15;266(20):13397-404. PMID: 2071609 [PubMed - indexed for MEDLINE]

131: Lowman HB, Cunningham BC, Wells JA. [Related Articles](#) [Links](#)
 Mutational analysis and protein engineering of receptor-binding determinants in human placental lactogen. J Biol Chem. 1991 Jun 15;266(17):10982-8. PMID: 2040614 [PubMed - indexed for MEDLINE]

132: MacLeod JN, Liebhäber SA, MacGillivray MH, Cooke NE. [Related Articles](#) [Links](#)
 Identification of a splice-site mutation in the human growth hormone-variant gene. Am J Hum Genet. 1991 Jun;48(6):1168-74. PMID: 2035535 [PubMed - indexed for MEDLINE]

133: Amselem S, Sobrier ML, Duquesnoy P, Rappaport R, Postel-Vinay MC, Gourmelen M, Dallapiccola B, Goossens M. [Related Articles](#) [Links](#)


 Recurrent nonsense mutations in the growth hormone receptor from patients with Laron dwarfism.
J Clin Invest. 1991 Mar;87(3):1098-102.
PMID: 1999489 [PubMed - indexed for MEDLINE]

 134: [Uchida E, Uemura H, Tanaka T, Nishikawa S, Uesugi S, Tanaka A, Morikawa M, Hayakawa T, Ikebara M.](#) Related Articles, Links

 Activity of artificial mutant variants of human growth hormone deficient in a disulfide bond between Cys53 and Cys165.
Chem Pharm Bull (Tokyo). 1991 Jan;39(1):150-3.
PMID: 2049799 [PubMed - indexed for MEDLINE]

 135: [Yang Z, Sugawara M, Ponath PD, Wessendorf L, Banerji J, Li Y, Strominger JL](#) Related Articles, Links

 Interferon gamma response region in the promoter of the human DPA gene.
Proc Natl Acad Sci U S A. 1990 Dec;87(23):9226-30.
PMID: 2123552 [PubMed - indexed for MEDLINE]

 136: [Wilson DB, Dorsman DM, Orkin SH](#) Related Articles, Links

 A nonerythroid GATA-binding protein is required for function of the human preproendothelin-1 promoter in endothelial cells.
Mol Cell Biol. 1990 Sep;10(9):4854-62.
PMID: 2388628 [PubMed - indexed for MEDLINE]

 137: [Clementi E, Malgaretti N, Meldolesi J, Taramelli R](#) Related Articles, Links

 A new constitutively activating mutation of the Gs protein alpha subunit-gsp oncogene is found in human pituitary tumours.
Oncogene. 1990 Jul;5(7):1059-61.
PMID: 2115641 [PubMed - indexed for MEDLINE]

 138: [Cunningham BC, Henner DJ, Wells JA](#) Related Articles, Links

 Engineering human prolactin to bind to the human growth hormone receptor.
Science. 1990 Mar 23;247(4949 Pt 1):1461-5.
PMID: 2321008 [PubMed - indexed for MEDLINE]

 139: [Funk WD, MacGillivray RT, Mason AB, Brown SA, Woodworth RC](#) Related Articles, Links

 Expression of the amino-terminal half-molecule of human serum transferrin in cultured cells and characterization of the recombinant protein.
Biochemistry. 1990 Feb 13;29(6):1654-60.
PMID: 2334724 [PubMed - indexed for MEDLINE]

 140: [Ray J, Okamura H, Kelly PA, Liebhaber SA, Cooke NE](#) Related Articles, Links

 Alteration in the receptor binding specificity of human growth hormone by genomic exon exchange.
Mol Endocrinol. 1990 Jan;4(1):101-7.
PMID: 2157972 [PubMed - indexed for MEDLINE]

 141: [Cameron FH, Jennings PA](#) Related Articles, Links

 Specific gene suppression by engineered ribozymes in monkey cells.
Proc Natl Acad Sci U S A. 1989 Dec;86(23):9139-43.
PMID: 2556702 [PubMed - indexed for MEDLINE]

 142: [Godowski PJ, Leung DW, Meacham LR, Galgani JP, Hellmiss R, Kerct R, Rotwein PS, Parks JS, Laron Z, Wood WI](#) Related Articles, Links

Characterization of the human growth hormone receptor gene and

 demonstration of a partial gene deletion in two patients with Laron-type dwarfism.
Proc Natl Acad Sci U S A. 1989 Oct;86(20):8083-7.
PMID: 2813379 [PubMed - indexed for MEDLINE]

 143: [Uesugi S, Nishikawa S.](#) Related Articles, Links

 [Structure and regulation of the expression of the human growth hormone gene and processing of the precursors]
Nippon Rinsho. 1989 Oct;47(10):2187-96. Japanese. No abstract available.
PMID: 2607622 [PubMed - indexed for MEDLINE]

 144: [Geli V, Baty D, Knibiehler M, Lloubes R, Pesseguier B, Shire D, Lazdunski C.](#) Related Articles, Links

 Synthesis and sequence-specific proteolysis of a hybrid protein (colicin A:growth hormone releasing factor) produced in *Escherichia coli*.
Gene. 1989 Aug 1;80(1):129-36.
PMID: 2507398 [PubMed - indexed for MEDLINE]

 145: [Powers AC, Tedeschi F, Wright KE, Chan JS, Habener JF.](#) Related Articles, Links

 Somatostatin gene expression in pancreatic islet cells is directed by cell-specific DNA control elements and DNA-binding proteins.
J Biol Chem. 1989 Jun 15;264(17):10048-56.
PMID: 2566613 [PubMed - indexed for MEDLINE]

 146: [Cunningham BC, Wells JA.](#) Related Articles, Links

 High-resolution epitope mapping of hGH-receptor interactions by alanine-scanning mutagenesis.
Science. 1989 Jun 2;244(4908):1081-5.
PMID: 2471267 [PubMed - indexed for MEDLINE]

 147: [Liebhaher SA, Urbanek M, Ray J, Tuan RS, Cooke NE.](#) Related Articles, Links

 Characterization and histologic localization of human growth hormone-variant gene expression in the placenta.
J Clin Invest. 1989 Jun;83(6):1985-91.
PMID: 2723069 [PubMed - indexed for MEDLINE]

 148: [Chen EY, Liao YC, Smith DH, Barrera-Saldana HA, Gelinas RE, Seeburg PH.](#) Related Articles, Links

 The human growth hormone locus: nucleotide sequence, biology, and evolution.
Genomics. 1989 May;4(4):479-97.
PMID: 2744760 [PubMed - indexed for MEDLINE]

 149: [Cunningham BC, Jhurani P, Ng P, Wells JA.](#) Related Articles, Links

 Receptor and antibody epitopes in human growth hormone identified by homolog-scanning mutagenesis.
Science. 1989 Mar 10;243(4896):1330-6.
PMID: 2466339 [PubMed - indexed for MEDLINE]

 150: [Sarid J, Benfey PN, Leder P.](#) Related Articles, Links

 The mast cell-specific expression of a protease gene, RMCP II, is regulated by an enhancer element that binds specifically to mast cell trans-acting factors.
J Biol Chem. 1989 Jan 15;264(2):1022-6.
PMID: 2642895 [PubMed - indexed for MEDLINE]

 151: [Sweetser DA, Birkenmeier EH, Hoppe PC, McKeel DW, Gordon JI.](#) Related Articles, Links

 Mechanisms underlying generation of gradients in gene expression within the intestine: an analysis using transgenic mice containing fatty acid binding protein-human growth hormone fusion genes.
Genes Dev. 1988 Oct;2(10):1318-32.
PMID: 2462524 [PubMed - indexed for MEDLINE]

 152: Handler JD, Schimmer BP, Flynn TR, Szyf M, Seidman JG, Parker KL. [Related Articles](#), [Links](#)

 An enhancer element and a functional cyclic AMP-dependent protein kinase are required for expression of adrenocortical 21-hydroxylase.
J Biol Chem. 1988 Sep 15;263(26):13068-73.
PMID: 2843506 [PubMed - indexed for MEDLINE]

 153: Vnencak-Jones CL, Phillips JA 3rd, Chen EY, Seeburg PH. [Related Articles](#), [Links](#)

 Molecular basis of human growth hormone gene deletions.
Proc Natl Acad Sci U S A. 1988 Aug;85(15):5615-9.
PMID: 2840669 [PubMed - indexed for MEDLINE]

 154: Pasion SG, Hartigan JA, Kumar V, Biswas DK. [Related Articles](#), [Links](#)

 DNA sequence responsible for the amplification of adjacent genes.
DNA. 1987 Oct;6(5):419-28.
PMID: 3677995 [PubMed - indexed for MEDLINE]

 155: Hirt H, Kimelman J, Birnbaum MJ, Chen EY, Seeburg PH, Eberhardt NL, Barta A. [Related Articles](#), [Links](#)

 The human growth hormone gene locus: structure, evolution, and allelic variations.
DNA. 1987 Feb;6(1):59-70.
PMID: 3030680 [PubMed - indexed for MEDLINE]

 156: Liebhaber SA, Ray J, Cooke NH. [Related Articles](#), [Links](#)

 Synthesis of growth hormone-prolactin chimeric proteins and processing mutants by the exchange and deletion of genomic exons.
J Biol Chem. 1986 Oct 25;261(30):14301-6.
PMID: 3021735 [PubMed - indexed for MEDLINE]

 157: Ikehara M, Ohtsuka E, Tokunaga T, Nishikawa S, Uesugi S, Tanaka T, Aoyama Y, Kikyodani S, Fujimoto K, Yanase K, et al. [Related Articles](#), [Links](#)

 Inquiries into the structure-function relationship of ribonuclease T1 using chemically synthesized coding sequences.
Proc Natl Acad Sci U S A. 1986 Jul;83(13):4695-9.
PMID: 3014504 [PubMed - indexed for MEDLINE]

 158: Marks AR, Moore DD, Buckley DL, Gametchu B, Goodman HM. [Related Articles](#), [Links](#)

 Conservation of the DNA binding domain and other properties between porcine and rat glucocorticoid receptors.
J Steroid Biochem. 1986 Jun;24(6):1097-103.
PMID: 3016408 [PubMed - indexed for MEDLINE]

 159: Tokunaga T, Tanaka T, Ikehara M, Ohtsuka E. [Related Articles](#), [Links](#)

 Synthesis and expression of a human growth hormone (somatotropin) gene mutated to change cysteine-165 to alanine.
Eur J Biochem. 1985 Dec 16;153(3):445-9.
PMID: 3908100 [PubMed - indexed for MEDLINE]

 160: Anderson A. [Related Articles](#), [Links](#)

 Some clinical implications of recombinant DNA technology with emphasis on prenatal diagnosis of hemoglobinopathies.
Clin Biochem. 1984 Apr;17(2):112-9. Review.

PMID: 6329548 [PubMed - indexed for MEDLINE]

161: [Adelman JP, Hayflick JS, Vasser M, Seeburg PH](#)[Related Articles](#), [Links](#)

 In vitro deletional mutagenesis for bacterial production of the 20,000-dalton form of human pituitary growth hormone.
DNA. 1983;2(3):183-93.
PMID: 6357679 [PubMed - indexed for MEDLINE]

162: [Robins DM, Axel R, Henderson AS](#)[Related Articles](#), [Links](#)

 Chromosome structure and DNA sequence alterations associated with mutation of transformed genes.
J Mol Appl Genet. 1981;1(3):191-203.
PMID: 6286823 [PubMed - indexed for MEDLINE]

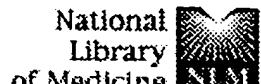
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1: Zhang X, Lu X, Jing N, Zhu S.

 **cDNA cloning and functional expression of growth hormone receptor from soft-shelled turtle (*Pelodiscus sinensis japonicus*).**

Gen Comp Endocrinol. 2000 Sep;119(3):265-75.

PMID: 11017774 [PubMed - indexed for MEDLINE]

2: Allen JT, Bloor CA, Kedia RK, Knight RA, Spiteri MA.

 **Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its binding proteins in human lung.**

Neuropeptides. 2000 Apr;34(2):98-107.

PMID: 10985926 [PubMed - indexed for MEDLINE]

3: Biolo G, Iscra F, Bosutti A, Toigo G, Ciocchi B, Geatti O, Gullo A, Guarnieri G.

 **Growth hormone decreases muscle glutamine production and stimulates protein synthesis in hypercatabolic patients.**

Am J Physiol Endocrinol Metab. 2000 Aug;279(2):E323-32.

PMID: 10913032 [PubMed - indexed for MEDLINE]

4: Mustafa A, Lannfelt L, Lilius L, Islam A, Winblad B, Adem A.

 **Decreased plasma insulin-like growth factor-I level in familial Alzheimer's disease patients carrying the Swedish APP 670/671 mutation.**

Dement Geriatr Cogn Disord. 1999 Nov-Dec;10(6):446-51.

PMID: 10559558 [PubMed - indexed for MEDLINE]

5: Bode-Boger SM, Boger RH, Loffler M, Tsikas D, Brabant G, Frolich JC.

 **L-arginine stimulates NO-dependent vasodilation in healthy humans--effect of somatostatin pretreatment.**

J Investig Med. 1999 Jan;47(1):43-50.

PMID: 10071480 [PubMed - indexed for MEDLINE]

6: Mealy K, Barry M, O'Mahony L, Sheehan S, Burke P, McCormack C, Whitehead AS, Bouchier-Hayes D.

 **Effects of human recombinant growth hormone (rhGH) on inflammatory responses in patients undergoing abdominal aortic aneurysm repair.**

Intensive Care Med. 1998 Feb;24(2):128-31.

PMID: 9539069 [PubMed - indexed for MEDLINE]

7: Oxlund H, Andersen NB, Ortoft G, Orskov H, Andreassen TT.

 **Growth hormone and mild exercise in combination markedly enhance cortical bone formation and strength in old rats.**

Endocrinology. 1998 Apr;139(4):1899-904.

PMID: 9528976 [PubMed - indexed for MEDLINE]

8: Reutens DC, McHugh MD, Toussaint PJ, Evans AC, Gjedde A, Meyer E, Stewart DJ.

L-arginine infusion increases basal but not activated cerebral blood flow in

 humans.
J Cereb Blood Flow Metab. 1997 Mar;17(3):309-15.
PMID: 9119904 [PubMed - indexed for MEDLINE]

 9: [Wabitsch M, Heinze E, Hauner H, Shymko RM, Teller WM, De Meyts P, Ilondo MM](#) Related Articles, Links
Biological effects of human growth hormone in rat adipocyte precursor cells and newly differentiated adipocytes in primary culture.
Metabolism. 1996 Jan;45(1):34-42.
PMID: 8544774 [PubMed - indexed for MEDLINE]

 10: [Demarquay D, Dumontier MF, Bourguignon J, Hintz RL, Corvol MT](#) Related Articles, Links
Stimulation by GH of IGF1 proforms synthesized by rabbit chondrocytes cultured with bFGF in serum-free medium.
Exp Cell Res. 1992 Oct;202(2):412-22.
PMID: 1397094 [PubMed - indexed for MEDLINE]

 11: [Hepler JE, Van Wyk JJ, Lund PK](#) Related Articles, Links
Different half-lives of insulin-like growth factor I mRNAs that differ in length of 3' untranslated sequence.
Endocrinology. 1990 Sep;127(3):1550-2.
PMID: 2387268 [PubMed - indexed for MEDLINE]

 12: [Hokfelt T, Tsuruo Y, Ulshaker B, Cullheim S, Arvidsson U, Foster GA, Schultzberg M, Schalling M, Arborclius L, Freedman J, et al](#) Related Articles, Links
Distribution of TRH-like immunoreactivity with special reference to coexistence with other neuroactive compounds.
Ann N Y Acad Sci. 1989;553:76-105. Review.
PMID: 2497689 [PubMed - indexed for MEDLINE]

 13: [Yamashita S, Ong J, Melmed S](#) Related Articles, Links
Regulation of human growth hormone gene expression by insulin-like growth factor I in transfected cells.
J Biol Chem. 1987 Sep 25;262(27):13254-7.
PMID: 3654610 [PubMed - indexed for MEDLINE]

 14: [Claustres M, Chatelain P, Sultan C](#) Related Articles, Links
[Somatomedin C/insulin-like growth factor I and in vitro erythropoiesis]
Reprod Nutr Dev. 1987;27(2B):569-70. French.
PMID: 3628955 [PubMed - indexed for MEDLINE]

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 Recombinant human growth hormone in patients with acute renal failure.
J Ren Nutr. 2001 Oct;11(4):212-9.
PMID: 11680002 [PubMed - indexed for MEDLINE]

 9: [Kotzmann H, Yilmaz N, Lercher P, Riedl M, Schmidt A, Schuster E, Kreuzer S, Geyer G, Frisch H, Horl WH, Mayer G, Luger A.](#) [Related Articles](#), [Links](#)

 Differential effects of growth hormone therapy in malnourished hemodialysis patients.
Kidney Int. 2001 Oct;60(4):1578-85.
PMID: 11576376 [PubMed - indexed for MEDLINE]

 10: [Roelfsema V, Thomas GB, Lin H, Breier BH, Maxwell L, Oliver MH, Heineman E, Clark RG, Gluckman PD.](#) [Related Articles](#), [Links](#)

 The metabolic effects of endotoxin are differentially affected by the pattern of GH administration in the rat.
J Endocrinol. 2001 Oct;171(1):173-81.
PMID: 11572801 [PubMed - indexed for MEDLINE]

 11: [Norrelund H, Moller N, Nair KS, Christiansen JS, Jorgensen JO.](#) [Related Articles](#), [Links](#)

 Continuation of growth hormone (GH) substitution during fasting in GH-deficient patients decreases urea excretion and conserves protein synthesis.
J Clin Endocrinol Metab. 2001 Jul;86(7):3120-9.
PMID: 11443176 [PubMed - indexed for MEDLINE]

 12: [Balcells J, Moreno A, Audi L, Roqueta J, Iglesias J, Carrascosa A.](#) [Related Articles](#), [Links](#)

 Growth hormone/insulin-like growth factors axis in children undergoing cardiac surgery.
Crit Care Med. 2001 Jun;29(6):1234-8.
PMID: 11395611 [PubMed - indexed for MEDLINE]

 13: [Norrelund H, Nair KS, Jorgensen JO, Christiansen JS, Moller N.](#) [Related Articles](#), [Links](#)

 The protein-retaining effects of growth hormone during fasting involve inhibition of muscle-protein breakdown.
Diabetes. 2001 Jan;50(1):96-104.
PMID: 11147801 [PubMed - indexed for MEDLINE]

 14: [Wolthers T, Hamberg O, Groftek T, Vilstrup H.](#) [Related Articles](#), [Links](#)

 Effects of budesonide and prednisolone on hepatic kinetics for urea synthesis.
J Hepatol. 2000 Oct;33(4):549-54.
PMID: 11059859 [PubMed - indexed for MEDLINE]

 15: [Blum JW, Bruckmaier RM, Vacher PY, Munger A, Jans F.](#) [Related Articles](#), [Links](#)

 Twenty-four-hour patterns of hormones and metabolites in week 9 and 19 of lactation in high-yielding dairy cows fed triglycerides and free fatty acids.
J Vet Med A Physiol Pathol Clin Med. 2000 Feb;47(1):43-60.
PMID: 10841462 [PubMed - indexed for MEDLINE]

 16: [Colombani PC, Bitzi R, Frey-Rindova P, Frey W, Arnold M, Langhans W, Wenk C.](#) [Related Articles](#), [Links](#)

 Chronic arginine aspartate supplementation in runners reduces total plasma amino acid level at rest and during a marathon run.
Eur J Nutr. 1999 Dec;38(6):263-70.
PMID: 10784382 [PubMed - indexed for MEDLINE]

 17: [Burge MR, Zeise TM, Sobhy TA, Rassam AG, Schade DS.](#) [Related Articles](#), [Links](#)

 Low-dose ethanol predisposes elderly fasted patients with type 2 diabetes

to sulfonylurea-induced low blood glucose.

Diabetes Care. 1999 Dec;22(12):2037-43.

PMID: 10587839 [PubMed - indexed for MEDLINE]

18: [Larsen JJ, Dela F, Madsbad S, Vibe-Petersen J, Gaibo H.](#) [Related Articles](#), [Links](#)

 **Interaction of sulfonylureas and exercise on glucose homeostasis in type 2 diabetic patients.**

Diabetes Care. 1999 Oct;22(10):1647-54.

PMID: 10526729 [PubMed - indexed for MEDLINE]

19: [Kim KR, Nam SY, Song YD, Lim SK, Lee HC, Huh KB.](#) [Related Articles](#), [Links](#)

 **Low-dose growth hormone treatment with diet restriction accelerates body fat loss, exerts anabolic effect and improves growth hormone secretory dysfunction in obese adults.**

Horm Res. 1999;51(2):78-84.

PMID: 10352397 [PubMed - indexed for MEDLINE]

20: [Van den Berghe G, Wouters P, Weekers F, Mohan S, Baxter RC, Veldhuis JD, Bowers CY, Bouillon R.](#) [Related Articles](#), [Links](#)

 **Reactivation of pituitary hormone release and metabolic improvement by infusion of growth hormone-releasing peptide and thyrotropin-releasing hormone in patients with protracted critical illness.**

J Clin Endocrinol Metab. 1999 Apr;84(4):1311-23.

PMID: 10199772 [PubMed - indexed for MEDLINE]

21: [Mevorach M, Giacca A, Aharon Y, Hawkins M, Shamoon H, Rossotti L.](#) [Related Articles](#), [Links](#)

 **Regulation of endogenous glucose production by glucose per se is impaired in type 2 diabetes mellitus.**

J Clin Invest. 1998 Aug 15;102(4):744-53.

PMID: 9710443 [PubMed - indexed for MEDLINE]

22: [Bettany GE, Camacho-Lubner C, Obeid O, Halliday D, Powell-Tuck J.](#) [Related Articles](#), [Links](#)

 **Metabolic effects of adjuvant recombinant human growth hormone in patients with continuing sepsis receiving parenteral nutrition.**

JPN J Parenter Enteral Nutr. 1998 Jul-Aug;22(4):199-205.

PMID: 9661119 [PubMed - indexed for MEDLINE]

23: [Braden H, Cheema-Dhadli S, Mazer CD, McKnight DJ, Singer W, Halperin MI.](#) [Related Articles](#), [Links](#)

 **Hyperglycemia during normothermic cardiopulmonary bypass: the role of the kidney.**

Ann Thorac Surg. 1998 Jun;65(6):1588-93.

PMID: 9647063 [PubMed - indexed for MEDLINE]

24: [Dahn MS, Lange MP.](#) [Related Articles](#), [Links](#)

 **Systemic and splanchnic metabolic response to exogenous human growth hormone.**

Surgery. 1998 May;123(5):528-38.

PMID: 9591005 [PubMed - indexed for MEDLINE]

25: [Sohmiya M, Ishikawa K, Kato Y.](#) [Related Articles](#), [Links](#)

 **Stimulation of erythropoietin secretion by continuous subcutaneous infusion of recombinant human GH in anemic patients with chronic renal failure.**

Eur J Endocrinol. 1998 Mar;138(3):302-6.

PMID: 9539305 [PubMed - indexed for MEDLINE]

26: Lafeber HN. [Related Articles](#) [Links](#)
Nutritional management and growth hormone treatment of preterm infants born small for gestational age.
Acta Paediatr Suppl. 1997 Nov;423:202-5; discussion 206. Review.
PMID: 9401573 [PubMed - indexed for MEDLINE]

27: Tonini G, Pahor T, Colonna E, de Vonderweid U. [Related Articles](#) [Links](#)
Growth hormone does not prevent catabolic side effects of dexamethasone in extremely low birth weight preterm infants with bronchopulmonary dysplasia--a pilot study.
J Pediatr Endocrinol Metab. 1997 May-Jun;10(3):291-4.
PMID: 9388821 [PubMed - indexed for MEDLINE]

28: Shinobe M, Sanaka T, Nihei H, Sugino N. [Related Articles](#) [Links](#)
IGF-I/IGFBP-1 as an index for discrimination between responder and nonresponder to recombinant human growth hormone in malnourished uremic patients on hemodialysis.
Nephron. 1997;77(1):29-36.
PMID: 9380235 [PubMed - indexed for MEDLINE]

29: Kopple JD. [Related Articles](#) [Links](#)
Uses and limitations of growth factors in renal failure.
Perit Dial Int. 1997;17 Suppl 3:S63-6. Review. No abstract available.
PMID: 9304665 [PubMed - indexed for MEDLINE]

30: Groftek T, Woithers T, Jensen SA, Moller N, Jorgensen JO, Lygstrup N, Orskov H, Vilstrup H. [Related Articles](#) [Links](#)
Effects of growth hormone and insulin-like growth factor-I singly and in combination on in vivo capacity of urea synthesis, gene expression of urea cycle enzymes, and organ nitrogen contents in rats.
Hepatology. 1997 Apr;25(4):964-9.
PMID: 9096605 [PubMed - indexed for MEDLINE]

31: Hofmann M, Boehmer H, Zumbach M, Boreca V, Grauer A, Kasperk C, Heilmann P, Ziegler R, Wahl P, Nawroth PP. [Related Articles](#) [Links](#)
[The Wolfram syndrome: diabetes mellitus, hypacusis, optic atrophy and short stature in STH deficiency]
Dtsch Med Wochenschr. 1997 Jan 24;122(4):86-90. Review. German.
PMID: 9072477 [PubMed - indexed for MEDLINE]

32: Malmlof K, Arrhenius-Nyberg V, Saxerholt H, Skottner A. [Related Articles](#) [Links](#)
The role of insulin, insulin-like growth factor-I and growth hormone in counteracting dexamethasone induced nitrogen wasting in rats.
Horm Metab Res. 1997 Jan;29(1):20-4.
PMID: 9049649 [PubMed - indexed for MEDLINE]

33: Jensen PB, Hansen TB, Oxhoj H, Froberg K, Ekelund B, Nielsen FT, Pedersen FB. [Related Articles](#) [Links](#)
What are the clinical benefits of correcting the catabolic state in haemodialysis patients?
Br J Clin Pract Suppl. 1996 Aug;85:47-51.
PMID: 8995031 [PubMed - indexed for MEDLINE]

34: Chan JC, Cockram CS, Critchley JA. [Related Articles](#) [Links](#)
Drug-induced disorders of glucose metabolism. Mechanisms and management.
Drug Saf. 1996 Aug;15(2):135-57. Review.
PMID: 8884164 [PubMed - indexed for MEDLINE]

□ 35: [Maniar S, Kleinknecht C, Zhou X, Motel V, Yvert JP, Dechaux M](#). Related Articles, Links
[§] **Growth hormone action is blunted by acidosis in experimental uremia or acid load.**
Clin Nephrol. 1996 Jul;46(1):72-6.
PMID: 8832158 [PubMed - indexed for MEDLINE]

□ 36: [Uemasu J, Fujihara M, Kawasaki H](#). Related Articles, Links
[§] **Effects of low dose of recombinant human growth hormone on renal excretion of insulin-like growth factor-I (IGF-I) in humans: an inverse relation between serum and urinary IGF-I level.**
Clin Nephrol. 1996 Jul;46(1):1-5.
PMID: 8832140 [PubMed - indexed for MEDLINE]

□ 37: [Roth E, Valentini L, Semroth M, Holzenbein T, Winkler S, Blum WF, Ranke MB, Schemper M, Hammerle A, Karner J](#). Related Articles, Links
[§] **Resistance of nitrogen metabolism to growth hormone treatment in the early phase after injury of patients with multiple injuries.**
J Trauma. 1995 Jan;38(1):136-41.
PMID: 7538170 [PubMed - indexed for MEDLINE]

□ 38: [McLaughlin CL, Hedrick HB, Veenhuizen JJ, Hintz RL, Munyakazi L, Kasser TR, Baile CA](#). Related Articles, Links
[§] **Performance, clinical chemistry, and carcass responses of finishing lambs to formulated sometribove (methionyl bovine somatotropin).**
J Anim Sci. 1994 Oct;72(10):2544-51.
PMID: 7883610 [PubMed - indexed for MEDLINE]

□ 39: [Gottardis M, Gruber E, Benzer A, Murr C, Schmoigl C, Hackl JM, Balogh D](#). Related Articles, Links
[§] **[Effects of short-term application of recombinant human growth hormone on urea production rate in patients in the early postoperative phase]**
Infusionsther Transfusionsmed. 1993 Aug;20(4):142-7. German.
PMID: 8400793 [PubMed - indexed for MEDLINE]

□ 40: [Calsamiglia S, Hongerholt DD, Crooker BA, Stern MD, Hartnell GE, Hintz RL](#). Related Articles, Links
[§] **Effect of fish meal and expeller-processed soybean meal fed to dairy cows receiving bovine somatotropin (sometribove).**
J Dairy Sci. 1992 Sep;75(9):2454-62.
PMID: 1452850 [PubMed - indexed for MEDLINE]

□ 41: [Asakawa K, Hizuka N, Takano K, Horikawa R, Sukegawa I, Demura H, Shizume K](#). Related Articles, Links
[§] **Effects of insulin-like growth factor I or human growth hormone in fasted rats.**
Growth Regul. 1992 Mar;2(1):40-4.
PMID: 1486334 [PubMed - indexed for MEDLINE]

□ 42: [Neathery MW, Crowe CT, Hartnell GE, Veenhuizen JJ, Reagen JO, Blackmon DM](#). Related Articles, Links
[§] **Effects of sometribove on performance, carcass composition, and chemical blood characteristics of dairy calves.**
J Dairy Sci. 1991 Nov;74(11):3933-9.
PMID: 1757630 [PubMed - indexed for MEDLINE]

□ 43: [Kawaguchi H, Komatsu Y, Hattori M, Ito K, Hizuka N, Takano K](#). Related Articles, Links
[§] **Potential effects of recombinant human growth hormone (r-hGH) on somatic growth in uremic rats.**
Acta Paediatr Jpn. 1991 Feb;33(1):6-14.

PMID: 1853714 [PubMed - indexed for MEDLINE]

44: [Mendoza-Morfin F, Cardenas-Tirado H.](#) [Related Articles](#) [Links](#)
[Clinical and biochemical evaluation of the administration of growth hormone]
Bol Med Hosp Infant Mex. 1990 Aug;47(8):551-6. Spanish.
PMID: 2257092 [PubMed - indexed for MEDLINE]

45: [Woltanski KP, Besch W, Keilacker H, Ziegler M, Kohnert KD.](#) [Related Articles](#) [Links](#)
[Radioiodination of peptide hormones and immunoglobulin preparations: comparison of the chloramine T and iodogen method]
Exp Clin Endocrinol. 1990 Feb;95(1):39-46.
PMID: 2185939 [PubMed - indexed for MEDLINE]

46: [Seng G, Galgotia C, Louisy P, Toussaint P, Drouin P, Debry G.](#) [Related Articles](#) [Links](#)
[Metabolic effects of a single administration of growth hormone on lipid and carbohydrate metabolism in normal-weight and obese subjects]
Am J Clin Nutr. 1989 Dec;50(6):1348-54.
PMID: 2596425 [PubMed - indexed for MEDLINE]

47: [Okamura K, Okuma T, Tabira Y, Miyazuchi Y.](#) [Related Articles](#) [Links](#)
[Effect of administered human growth hormone on protein metabolism in septic rats]
JPEN J Parenter Enteral Nutr. 1989 Sep-Oct;13(5):450-4. Review.
PMID: 2514284 [PubMed - indexed for MEDLINE]

48: [Asakawa K, Hizuka N, Takano K, Horikawa R, Sukegawa I, Toyoda C, Shizume K.](#) [Related Articles](#) [Links](#)
[Human growth hormone stimulates liver regeneration in rats]
J Endocrinol Invest. 1989 May;12(5):343-7.
PMID: 2768759 [PubMed - indexed for MEDLINE]

49: [Hourd P, Edwards R.](#) [Related Articles](#) [Links](#)
[Measurement of human growth hormone in urine: development and validation of a sensitive and specific assay]
J Endocrinol. 1989 Apr;121(1):167-75.
PMID: 2715756 [PubMed - indexed for MEDLINE]

50: [Dahms WT, Owens RP, Kalhan SC, Kerr DS, Danish RK.](#) [Related Articles](#) [Links](#)
[Urea synthesis, nitrogen balance, and glucose turnover in growth-hormone-deficient children before and after growth hormone administration]
Metabolism. 1989 Mar;38(3):197-203.
PMID: 2645501 [PubMed - indexed for MEDLINE]

51: [Dahn MS, Lange MP, Jacobs LA.](#) [Related Articles](#) [Links](#)
[Insulinlike growth factor 1 production is inhibited in human sepsis]
Arch Surg. 1988 Nov;123(11):1409-14.
PMID: 3178489 [PubMed - indexed for MEDLINE]

52: [Ziegler TR, Young LS, Manson JM, Wilmore DW.](#) [Related Articles](#) [Links](#)
[Metabolic effects of recombinant human growth hormone in patients receiving parenteral nutrition]
Ann Surg. 1988 Jul;208(1):6-16.
PMID: 3133995 [PubMed - indexed for MEDLINE]

53: [Gottardis M, Hackl JM.](#) [Related Articles](#) [Links](#)
[Modification of catabolic metabolism in patients with sepsis and cranio-cerebral injuries by administration of human growth hormone]

Infusionstherapie. 1988 Jun; 15(3):112-7. German.
PMID: 3403041 [PubMed - indexed for MEDLINE]

54: [Ng FM](#)

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 A comparison of cellular actions between gliclazide and a hypoglycaemic peptide fragment of human growth hormone (hGH 6-13).
Diabetes Res Clin Pract. 1988 May; 19,5(1):17-24.
PMID: 3042343 [PubMed - indexed for MEDLINE]

55: [Gandilhon P, Melancon R, Gandilhon F, Djiane J, Kelly PA](#)

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 Prolactin receptors in N-nitroso-N-methylurea-induced rat mammary tumors: relationship to tumor age and down-regulation in short-term explant culture.
Anticancer Res. 1983 May-Jun; 3(3):203-6.
PMID: 6307115 [PubMed - indexed for MEDLINE]

56: [Chupin M, Charbonnel B, Chupin F](#)

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 C-peptide blood levels in keto-acidosis and in hyperosmolar non-ketotic diabetic coma.
Acta Diabetol Lat. 1981 Apr-Jun; 18(2):123-8.
PMID: 6787828 [PubMed - indexed for MEDLINE]

57: [Hackl JM](#)

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 [Behavior of the growth hormone in severe cerebral trauma with secondary injuries of the brain stem. New viewpoints for therapy I.]
Infusionsther Klin Ernahr. 1980 Oct; 7(5):237-47. German.
PMID: 7007243 [PubMed - indexed for MEDLINE]

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 [The inhibitory effect of tolbutamide on both secretions of cortisol in the adrenal cortex and of prolactin in the pituitary gland (author's transl)]
Nippon Naibunpi Gakkai Zasshi. 1980 May; 56(5):707-23. Japanese.
PMID: 6248384 [PubMed - indexed for MEDLINE]

59: [Bunner DL, Lewis UJ, Vanderlaan WP](#)

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 Comparative potency of subtilisin-cleaved and intact human growth hormone measured in growth hormone-deficient human subjects.
J Clin Endocrinol Metab. 1979 Feb; 84(2):293-6.
PMID: 429482 [PubMed - indexed for MEDLINE]

60: [Fallucca F, Javicoli M, Menzinger G, Mirabella C, Andreani D](#)

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 Glucagon and growth hormone secretion in insulin-treated diabetics: effects of added sulfonylureas.
Metabolism. 1978 Jan; 27(1):5-11.
PMID: 413023 [PubMed - indexed for MEDLINE]

61: [Soltysik-Wilk E, Rybak M, Golda W](#)

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 Glycemia and plasma IRI level after tolbutamide in hyposomatrophic dwarfs treated with HGH.
Ann Med Sect Pol Acad Sci. 1976; (3):113-20.
PMID: 973430 [PubMed - indexed for MEDLINE]

62: [Ragonese F, Melluso R, Campisi R, Carducci Artenisio A](#)

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 [Effects of heparin on HGH secretion after intravenous administration of tolbutamide in normal subjects]
Boll Soc Ital Biol Sper. 1975 Dec 30; 51(24):1975-9. Italian. No abstract available.
PMID: 1231882 [PubMed - indexed for MEDLINE]

 63: Wilmore DW, Orcutt TW, Mason AD Jr, Pruitt BA.

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 Alterations in hypothalamic function following thermal injury.
J Trauma. 1975 Aug;15(8):697-703.

PMID: 1152091 [PubMed - indexed for MEDLINE]

 64: Kato Y.

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 [Secretion of human growth hormone (HGH). 1. Basic study of HGH determination and serum HGH in normal subjects]
Nippon Naibunpi Gakkai Zasshi. 1972 Aug 20;48(5):343-51. Japanese. No abstract available.
PMID: 4673032 [PubMed - indexed for MEDLINE]

 65: Boden G, Soeldner JS.

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 A sensitive double antibody radioimmunoassay for human growth hormone (HGH): levels of serum HGH following rapid tolbutamide infusion.
Diabetologia. 1967 Oct;3(5):413-21. No abstract available.
PMID: 5620800 [PubMed - indexed for MEDLINE]

 66: Blizzard RM, Drash AL, Jenkins ME, Spaulding JS, Glick A, Weldon VV, Powell GF, Raiti S.

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 Comparative effect of animal prolactins and human growth hormone (HGH) in hypopituitary children.
J Clin Endocrinol Metab. 1966 Aug;26(8):852-8. No abstract available.
PMID: 5921153 [PubMed - indexed for MEDLINE]

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Gen Comp Endocrinol. 2000 Sep;119(3):265-75.
PMID: 11017774 [PubMed - indexed for MEDLINE]

3: Allen JT, Bloor CA, Kedia RK, Knight RA, Spiteri MA.

Related Articles, Links

4: Expression of growth hormone-releasing factor, growth hormone, insulin-like growth factor-1 and its binding proteins in human lung.
Neuropeptides. 2000 Apr;34(2):98-107.
PMID: 10985926 [PubMed - indexed for MEDLINE]

5: Biolo G, Iserra F, Bosutti A, Toigo G, Ciocchi B, Geatti O, Guilo A, Guarneri G.

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Am J Physiol Endocrinol Metab. 2000 Aug;279(2):E323-32.
PMID: 10913032 [PubMed - indexed for MEDLINE]

7: Mustafa A, Lannfelt L, Lilius L, Islam A, Winblad B, Adem A.

Related Articles, Links

8: Decreased plasma insulin-like growth factor-I level in familial Alzheimer's disease patients carrying the Swedish APP 670/671 mutation.
Dement Geriatr Cogn Disord. 1999 Nov-Dec;10(6):446-51.
PMID: 10559558 [PubMed - indexed for MEDLINE]

9: Bode-Boger SM, Boger RH, Loeffler M, Tsikas D, Brabant G, Frolich JC.

Related Articles, Links

10: L-arginine stimulates NO-dependent vasodilation in healthy humans--effect of somatostatin pretreatment.
J Investig Med. 1999 Jan;47(1):43-50.
PMID: 10071480 [PubMed - indexed for MEDLINE]

11: Mealy K, Barry M, O'Mahony L, Sheehan S, Burke P, McCormack C, Whitehead AS, Bouchier-Hayes D.

Related Articles, Links

12: Effects of human recombinant growth hormone (rhGH) on inflammatory responses in patients undergoing abdominal aortic aneurysm repair.
Intensive Care Med. 1998 Feb;24(2):128-31.
PMID: 9539069 [PubMed - indexed for MEDLINE]

13: Oxlund H, Andersen NB, Ortoft G, Orskov H, Andreassen TT.

Related Articles, Links

14: Growth hormone and mild exercise in combination markedly enhance cortical bone formation and strength in old rats.
Endocrinology. 1998 Apr;139(4):1899-904.
PMID: 9528976 [PubMed - indexed for MEDLINE]

15: Reutens DC, McHugh MD, Toussaint PJ, Evans AC, Gjedde A, Meyer E, Stewart DJ.

Related Articles, Links

L-arginine infusion increases basal but not activated cerebral blood flow in

 **humans.**
J Cereb Blood Flow Metab. 1997 Mar;17(3):309-15.
PMID: 9119904 [PubMed - indexed for MEDLINE]

 **9:** Wabitsch M, Heinze E, Hauner H, Shyrko RM, Teller WM, De Meyts P, Ilondo MM [Related Articles](#), [Links](#)
Biological effects of human growth hormone in rat adipocyte precursor cells and newly differentiated adipocytes in primary culture.
Metabolism. 1996 Jan;45(1):34-42.
PMID: 8544774 [PubMed - indexed for MEDLINE]

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Stimulation by GH of IGF1 proforms synthesized by rabbit chondrocytes cultured with bFGF in serum-free medium.
Exp Cell Res. 1992 Oct;202(2):412-22.
PMID: 1397094 [PubMed - indexed for MEDLINE]

 **11:** Yamashita S, Ong J, Melmed S [Related Articles](#), [Links](#)
Regulation of human growth hormone gene expression by insulin-like growth factor I in transfected cells.
J Biol Chem. 1987 Sep 25;262(27):13254-7.
PMID: 3654610 [PubMed - indexed for MEDLINE]

 **12:** Murphy LJ, Bell GI, Duckworth ML, Friesen HG [Related Articles](#), [Links](#)
Identification, characterization, and regulation of a rat complementary deoxyribonucleic acid which encodes insulin-like growth factor-I.
Endocrinology. 1987 Aug;121(2):684-91.
PMID: 3595538 [PubMed - indexed for MEDLINE]

 **13:** Claustres M, Chatelain P, Sultan C [Related Articles](#), [Links](#)
[Somatomedin C/insulin-like growth factor I and in vitro erythropoiesis]
Reprod Nutr Dev. 1987;27(2B):569-70. French.
PMID: 3628955 [PubMed - indexed for MEDLINE]

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Regulation of prolactin receptor (PRLR) gene expression in insulin-producing cells. Prolactin and growth hormone activate one of the rat prlr gene promoters via STAT5a and STAT5b.
J Biol Chem. 1999 Jun 25;274(26):18686-92.
PMID: 10373481 [PubMed - indexed for MEDLINE]

3: [Khalaf AN, Kerp L, Schliebs B, Jagle M, Petersen KG](#) Related Articles, Links

Natural occurrence of IgE antibodies to peptide hormones in man.
Eur J Clin Invest. 1989 Oct;19(5):464-5.
PMID: 2511022 [PubMed - indexed for MEDLINE]

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Molecular pathology of dityrosine cross-links in proteins: structural and functional analysis of four proteins.

Mol Cell Biochem. 2002 May-Jun;234-235(1-2):27-38.
PMID: 12162443 [PubMed - indexed for MEDLINE]

2: Yabuta Y, Takagi H, Inouye M, Shinde U.

Related Articles, Links

Folding pathway mediated by an intramolecular chaperone: propeptide release modulates activation precision of pro-subtilisin.

J Biol Chem. 2001 Nov 30;276(48):44427-34. Epub 2001 Sep 27.
PMID: 11577106 [PubMed - indexed for MEDLINE]

3: Taylor P, Dornan J, Carrelo A, Minchin RF, Ratajczak T, Walkinshaw MD

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Two structures of cyclophilin 40: folding and fidelity in the TPR domains.

Structure (Camb). 2001 May;9(5):431-8.
PMID: 11377203 [PubMed - indexed for MEDLINE]

4: Renaud-Mongenie G, Comette J, Mielcarek N, Menozzi FD, Locht

Related Articles, Links

Distinct roles of the N-terminal and C-terminal precursor domains in the biogenesis of the *Bordetella pertussis* filamentous hemagglutinin.

J Bacteriol. 1996 Feb;178(4):1053-60.
PMID: 8576038 [PubMed - indexed for MEDLINE]

5: Jacob R, Bulleid NJ, Naim HY.

Related Articles, Links

Folding of human intestinal lactase-phlorizin hydrolase.

J Biol Chem. 1995 Aug 4;270(31):18678-84.
PMID: 7629200 [PubMed - indexed for MEDLINE]

6: Naim HY, Jacob R, Naim H, Sambrook JF, Gething MJ.

Related Articles, Links

The pro region of human intestinal lactase-phlorizin hydrolase.

J Biol Chem. 1994 Oct 28;269(43):26933-43. Erratum in: *J Biol Chem* 1994 Jan 13;270(2):986.
PMID: 7523415 [PubMed - indexed for MEDLINE]

7: Kobayashi T, Inouye M.

Related Articles, Links

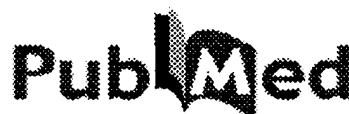
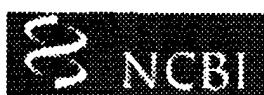
Functional analysis of the intramolecular chaperone. Mutational hot spots in the subtilisin pro-peptide and a second-site suppressor mutation within the subtilisin molecule.

J Mol Biol. 1992 Aug 20;226(4):931-3.
PMID: 1355566 [PubMed - indexed for MEDLINE]

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Class I MHC molecules: assembly and antigen presentation.
Immunol Rev. 1999 Dec;172:11-9. Review.
PMID: 10631933 [PubMed - indexed for MEDLINE]

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In vivo acetylation identified at lysine 70 of human lens alphaA-crystallin.
Protein Sci. 1998 Jun;7(6):1451-7.
PMID: 9655350 [PubMed - indexed for MEDLINE]

5: Zavialov A, Benndorf R, Ehnsperger M, Zav'yalov V, Dudich I, Buchner J, Gaestel M. Related Articles, Links
The effect of the intersubunit disulfide bond on the structural and functional properties of the small heat shock protein Hsp25.
Int J Biol Macromol. 1998 May-Jun;22(3-4):163-73.
PMID: 9650071 [PubMed - indexed for MEDLINE]

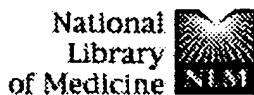
6: Hidaka Y, Ohno M, Hemmari B, Hill O, Forssmann WG, Shimonishi Y. Related Articles, Links
In vitro disulfide-coupled folding of guanylyl cyclase-activating peptide and its precursor protein.
Biochemistry. 1998 Jun 9;37(23):8498-507.
PMID: 9622502 [PubMed - indexed for MEDLINE]

7: Puig A, Prizant TP, Surendran R, Lee JC, Ballard KD, Orkiszewski RS, Makarov V, Gilbert HF. Related Articles, Links
A 21-kDa C-terminal fragment of protein-disulfide isomerase has isomerase, chaperone, and anti-chaperone activities.
J Biol Chem. 1997 Dec 26;272(52):32988-94.
PMID: 9407079 [PubMed - indexed for MEDLINE]

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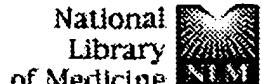
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Lifespan extension in *C. elegans* by a molecular chaperone dependent upon insulin-like signals. *Aging Cell*. 2003 Apr;2(2):131-9.
PMID: 12882326 [PubMed - indexed for MEDLINE]

2: Bhattacharyya J, Santhoshkumar P, Sharma KK. Related Articles, Links
A peptide sequence-YSGVCHTDLHAWHGDWPLPVK [40-60]-in yeast alcohol dehydrogenase prevents the aggregation of denatured substrate proteins. *Biochem Biophys Res Commun*. 2003 Jul 18;307(1):1-7.
PMID: 12849973 [PubMed - indexed for MEDLINE]

3: Hinton A, Zuiderweg ER, Ackerman SJ. Related Articles, Links
A purified subfragment of yeast atp11p retains full molecular chaperone activity. *J Biol Chem*. 2003 Sep 5;278(36):34110-3. Epub 2003 Jun 26.
PMID: 12829692 [PubMed - in process]

4: Sgarbossa A, Youssef T, Lenci F. Related Articles, Links
Photosensitized structural modifications of the lens protein alpha-crystallin: do all modifications impair chaperone-like activity? *Photochem Photobiol*. 2003 May;77(5):567-71.
PMID: 12812302 [PubMed - indexed for MEDLINE]

5: Potolicchio I, Santambrogio L, Strominger JL. Related Articles, Links
Molecular interaction and enzymatic activity of macrophage migration inhibitory factor with immunorelevant peptides. *J Biol Chem*. 2003 Aug 15;278(33):30889-95. Epub 2003 May 09.
PMID: 12740374 [PubMed - in process]

6: Cohen AW, Razani B, Wang XB, Combs TP, Williams TM, Scherer PE, Lisanti MP. Related Articles, Links
Caveolin-1-deficient mice show insulin resistance and defective insulin receptor protein expression in adipose tissue. *Am J Physiol Cell Physiol*. 2003 Jul;285(1):C222-35. Epub 2003 Mar 26.
PMID: 12660144 [PubMed - indexed for MEDLINE]

7: Stromer T, Ehrnsperger M, Gaestel M, Buchner J. Related Articles, Links
Analysis of the interaction of small heat shock proteins with unfolding proteins. *J Biol Chem*. 2003 May 16;278(20):18015-21. Epub 2003 Mar 12.
PMID: 12637495 [PubMed - indexed for MEDLINE]

8: Duan W, Guo Z, Jiang H, Ware M, Li XJ, Mattson MP. Related Articles, Links
Dietary restriction normalizes glucose metabolism and BDNF levels, slows

 disease progression, and increases survival in huntingtin mutant mice.
Proc Natl Acad Sci U S A. 2003 Mar 4;100(5):2911-6. Epub 2003 Feb 14.
PMID: 12589027 [PubMed - indexed for MEDLINE]

 [9: Yan G, Shi L, Penfornis A, Faustman DL.](#) [Related Articles](#), [Links](#)

 Impaired processing and presentation by MHC class II proteins in human diabetic cells.
J Immunol. 2003 Jan 1;170(1):620-7.
PMID: 12496451 [PubMed - indexed for MEDLINE]

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 Longevity determination genes in *Drosophila melanogaster*.
Mech Ageing Dev. 2002 Nov;123(12):1531-41. Review.
PMID: 12470891 [PubMed - indexed for MEDLINE]

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 Calcium-induced decrease of the thermal stability and chaperone activity of alpha-crystallin.
Biochim Biophys Acta. 2002 Nov 19;1601(1):100-9.
PMID: 12429508 [PubMed - indexed for MEDLINE]

 [12: Singh R, Rao ChM.](#) [Related Articles](#), [Links](#)

 Chaperone-like activity and surface hydrophobicity of 70S ribosome.
FEBS Lett. 2002 Sep 11;527(1-3):234-8.
PMID: 12220666 [PubMed - indexed for MEDLINE]

 [13: Bova MP, Huang Q, Ding L, Horwitz J.](#) [Related Articles](#), [Links](#)

 Subunit exchange, conformational stability, and chaperone-like function of the small heat shock protein 16.5 from *Methanococcus jannaschii*.
J Biol Chem. 2002 Oct 11;277(41):38468-75. Epub 2002 Aug 09.
PMID: 12176992 [PubMed - indexed for MEDLINE]

 [14: Poulaki V, Mitsiades CS, Kotoula V, Tseleni-Balafouta S, Ashkenazi A, Koutras DA, Mitsiades N.](#) [Related Articles](#), [Links](#)

 Regulation of Apo2L/tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in thyroid carcinoma cells.
Am J Pathol. 2002 Aug;161(2):643-54.
PMID: 12163389 [PubMed - indexed for MEDLINE]

 [15: Reddy GB, Narayanan S, Reddy PY, Surolia L.](#) [Related Articles](#), [Links](#)

 Suppression of DTT-induced aggregation of abrin by alphaA- and alphaB-crystallins: a model aggregation assay for alpha-crystallin chaperone activity in vitro.
FEBS Lett. 2002 Jul 3;522(1-3):59-64.
PMID: 12095619 [PubMed - indexed for MEDLINE]

 [16: Chen L M, Yang X W, Tang J G.](#) [Related Articles](#), [Links](#)

 Acidic residues on the N-terminus of proinsulin C-Peptide are important for the folding of insulin precursor.
J Biochem (Tokyo). 2002 Jun;131(6):855-9.
PMID: 12038982 [PubMed - indexed for MEDLINE]

 [17: Antoniou AN, Ford S, Alphey M, Osborne A, Elliott T, Powis SJ.](#) [Related Articles](#), [Links](#)

 The oxidoreductase ERp57 efficiently reduces partially folded in preference to fully folded MHC class I molecules.
EMBO J. 2002 Jun 3;21(11):2655-63.
PMID: 12032078 [PubMed - indexed for MEDLINE]

 **18:** Bhattacharyya J, Srinivas V, Sharma KK. [Related Articles](#) [Links](#)
 Evaluation of hydrophobicity versus chaperonelike activity of bovine alphaA- and alphaB-crystallin.
J Protein Chem. 2002 Jan;21(1):65-71.
PMID: 11902669 [PubMed - indexed for MEDLINE]

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 Targeted disruption of the Chop gene delays endoplasmic reticulum stress-mediated diabetes.
J Clin Invest. 2002 Feb;109(4):525-32.
PMID: 11854325 [PubMed - indexed for MEDLINE]

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 Postprandial induction of chaperone gene expression is rapid in mice.
J Nutr. 2002 Jan;132(1):31-7.
PMID: 11773504 [PubMed - indexed for MEDLINE]

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 Catalytic activity and chaperone function of human protein-disulfide isomerase are required for the efficient refolding of proinsulin.
J Biol Chem. 2002 Jan 4;277(1):310-7. Epub 2001 Nov 01.
PMID: 11694508 [PubMed - indexed for MEDLINE]

 **22:** Santhoshkumar P, Sharma KK. [Related Articles](#) [Links](#)
 Phe71 is essential for chaperone-like function in alpha A-crystallin.
J Biol Chem. 2001 Dec 14;276(50):47094-9. Epub 2001 Oct 11.
PMID: 11598124 [PubMed - indexed for MEDLINE]

 **23:** Burgio MR, Bennett PM, Koretz JE. [Related Articles](#) [Links](#)
 Heat-induced quaternary transitions in hetero- and homo-polymers of alpha-crystallin.
Mol Vis. 2001 Oct 3;7:228-33.
PMID: 11590365 [PubMed - indexed for MEDLINE]

 **24:** Mao Q, Ke D, Chang Z. [Related Articles](#) [Links](#)
 Electrostatic interactions play a critical role in *Mycobacterium tuberculosis* Hsp16.3 binding of substrate proteins.
Biochemistry (Mosc). 2001 Aug;66(8):904-8.
PMID: 11566061 [PubMed - indexed for MEDLINE]

 **25:** Sheluho D, Ackerman SH. [Related Articles](#) [Links](#)
 An accessible hydrophobic surface is a key element of the molecular chaperone action of Atp11p.
J Biol Chem. 2001 Oct 26;276(43):39945-9. Epub 2001 Aug 24.
PMID: 11522798 [PubMed - indexed for MEDLINE]

 **26:** Sarkar T, Manna T, Bhattacharyya S, Mahapatra P, Poddar A, Roy S, Pena J, Solana R, Tarazona R, Bhattacharyya B. [Related Articles](#) [Links](#)
 Role of the carboxy-termini of tubulin on its chaperone-like activity.
Proteins. 2001 Aug 15;44(3):262-9.
PMID: 11455599 [PubMed - indexed for MEDLINE]

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 Sulfatide promotes the folding of proinsulin, preserves insulin crystals, and mediates its monomerization.
Glycobiology. 2001 Jun;11(6):473-9.

PMID: 11445552 [PubMed - indexed for MEDLINE]

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Hsp90 ensures the transition from the early Ca²⁺-dependent to the late phosphorylation-dependent activation of the endothelial nitric-oxide synthase in vascular endothelial growth factor-exposed endothelial cells. *J Biol Chem.* 2001 Aug 31;276(35):32663-9. Epub 2001 Jun 25.
PMID: 11425855 [PubMed - indexed for MEDLINE]

 **29:** [Mao Q, Ke D, Feng X, Chang Z.](#) [Related Articles](#), [Links](#)
Preheat treatment for *Mycobacterium tuberculosis* Hsp16.3: correlation between a structural phase change at 60 degrees C and a dramatic increase in chaperone-like activity. *Biochem Biophys Res Commun.* 2001 Jun 22;284(4):942-7.
PMID: 11409884 [PubMed - indexed for MEDLINE]

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Studies on the alpha-crystallin target protein binding sites: sequential binding with two target proteins. *Mol Vis.* 2001 Jun 12;7:114-9.
PMID: 11408844 [PubMed - indexed for MEDLINE]

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Conformational specificity of mini-alphaA-crystallin as a molecular chaperone. *J Pept Res.* 2001 May;57(5):428-34.
PMID: 11350603 [PubMed - indexed for MEDLINE]

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The chaperone-like activity of a small heat shock protein is lost after sulfoxidation of conserved methionines in a surface-exposed amphipathic alpha-helix. *Biochim Biophys Acta.* 2001 Feb 9;1545(1-2):227-37.
PMID: 11342048 [PubMed - indexed for MEDLINE]

 **33:** [Zhao C, Wilson MC, Schuit F, Halestrap AP, Rutter GA.](#) [Related Articles](#), [Links](#)
Expression and distribution of lactate/monocarboxylate transporter isoforms in pancreatic islets and the exocrine pancreas. *Diabetes.* 2001 Feb;50(2):361-6.
PMID: 11272148 [PubMed - indexed for MEDLINE]

 **34:** [Nardai G, Sass B, Eber J, Orosz G, Csermely P.](#) [Related Articles](#), [Links](#)
Reactive cysteines of the 90-kDa heat shock protein, Hsp90. *Arch Biochem Biophys.* 2000 Dec 1;384(1):59-67.
PMID: 11147836 [PubMed - indexed for MEDLINE]

 **35:** [Edwards PA, Tabor D, Kast HR, Venkateswaran A.](#) [Related Articles](#), [Links](#)
Regulation of gene expression by SREBP and SCAP. *Biochim Biophys Acta.* 2000 Dec 15;1529(1-3):103-13. Review.
PMID: 11111080 [PubMed - indexed for MEDLINE]

 **36:** [Sanchez D, Tuckova L, Sebo P, Michalak M, Whelan A, Sterzl I, Jelinkova L, Havrdova E, Imramovska M, Benes Z, Krupickova S, Tlaskalova-Hogenova H.](#) [Related Articles](#), [Links](#)
Occurrence of IgA and IgG autoantibodies to calreticulin in coeliac disease and various autoimmune diseases. *J Autoimmun.* 2000 Dec;15(4):441-9.

PMID: 11090243 [PubMed - indexed for MEDLINE]

37: [Liu X, Wang CC.](#)[Related Articles](#), [Links](#) **Disulfide-dependent folding and export of Escherichia coli DsbC.**

J Biol Chem. 2001 Jan 12;276(2):1146-51.

PMID: 11042167 [PubMed - indexed for MEDLINE]

38: [Abgar S, Yevlampieva N, Aerts T, Vanhoudt J, Chauwaert J.](#)[Related Articles](#), [Links](#) **Chaperone-like activity of bovine lens alpha-crystallin in the presence of dithiothreitol-destabilized proteins: characterization of the formed complexes.**

Biochem Biophys Res Commun. 2000 Sep 24;276(2):619-25.

PMID: 11027522 [PubMed - indexed for MEDLINE]

39: [Datta SA, Rao CM.](#)[Related Articles](#), [Links](#) **Packing-induced conformational and functional changes in the subunits of alpha-crystallin.**

J Biol Chem. 2000 Dec 29;275(52):41004-10.

PMID: 11024058 [PubMed - indexed for MEDLINE]

40: [Huang FY, Ho Y, Shaw TS, Chuang SA.](#)[Related Articles](#), [Links](#) **Functional and structural studies of alpha-crystallin from galactosemic rat lenses.**

Biochem Biophys Res Commun. 2000 Jun 24;273(1):197-202.

PMID: 10873586 [PubMed - indexed for MEDLINE]

41: [Pansc VG, Vogel P, Trommer WB, Varadarajan R.](#)[Related Articles](#), [Links](#) **A thermodynamic coupling mechanism for the disaggregation of a model peptide substrate by chaperone secB.**

J Biol Chem. 2000 Jun 23;275(25):18698-703.

PMID: 10858444 [PubMed - indexed for MEDLINE]

42: [Souza JM, Giasson BI, Lee VM, Ischiropoulos H.](#)[Related Articles](#), [Links](#) **Chaperone-like activity of synucleins.**

FEBS Lett. 2000 May 26;474(1):116-9.

PMID: 10828462 [PubMed - indexed for MEDLINE]

43: [Anas AE, Velez-Granell CS, Mayer G, Bendayan M.](#)[Related Articles](#), [Links](#) **Colocalization of chaperone Cpn60, proinsulin and convertase PC1 within immature secretory granules of insulin-secreting cells suggests a role for Cpn60 in insulin processing.**

J Cell Sci. 2000 Jun;113 (Pt 11):2075-83.

PMID: 10806118 [PubMed - indexed for MEDLINE]

44: [Shroff NP, Cherian-Shaw M, Bera S, Abraham EC.](#)[Related Articles](#), [Links](#) **Mutation of R116C results in highly oligomerized alpha A-crystallin with modified structure and defective chaperone-like function.**

Biochemistry. 2000 Feb 15;39(6):1420-6.

PMID: 10684623 [PubMed - indexed for MEDLINE]

45: [Weinreb O, van Boekel MA, Dovrat A, Bloemberg H.](#)[Related Articles](#), [Links](#) **Effect of UV-A light on the chaperone-like properties of young and old lens alpha-crystallin.**

Invest Ophthalmol Vis Sci. 2000 Jan;41(1):191-8.

PMID: 10634620 [PubMed - indexed for MEDLINE]

46: [Wickner RB, Taylor KL, Edskses HK, Maddelein ML, Moriyama H, Roberts BT.](#)[Related Articles](#), [Links](#)

 Prions in *Saccharomyces* and *Podospora* spp.: protein-based inheritance.
Microbiol Mol Biol Rev. 1999 Dec;63(4):844-61, table of contents. Review.
PMID: 10585968 [PubMed - indexed for MEDLINE]

 47: [Haslbeck M, Walke S, Stromer T, Ehrnsperger M, White HE, Chen S, Saibil HR, Buchner J](#) Related Articles, Links
Hsp26: a temperature-regulated chaperone.
EMBO J. 1999 Dec 1;18(23):6744-51.
PMID: 10581247 [PubMed - indexed for MEDLINE]

 48: [van Boekel MA, de Lange F, de Grip WJ, de Jong WW](#) Related Articles, Links
Eye lens alphaA- and alphaB-crystallin: complex stability versus chaperone-like activity.
Biochim Biophys Acta. 1999 Sep 14;1434(1):114-23.
PMID: 10556565 [PubMed - indexed for MEDLINE]

 49: [Kumar LV, Ramakrishna T, Rao CM](#) Related Articles, Links
Structural and functional consequences of the mutation of a conserved arginine residue in alphaA and alphaB crystallins.
J Biol Chem. 1999 Aug 20;274(34):24137-41.
PMID: 10446186 [PubMed - indexed for MEDLINE]

 50: [Hepburne-Scott HJW, Crabbe MJ](#) Related Articles, Links
Maintenance of chaperone-like activity despite mutations in a conserved region of murine lens alphaB crystallin.
Mol Vis. 1999 Aug 10;5:15.
PMID: 10445957 [PubMed - indexed for MEDLINE]

 51: [Hwang JB, Frost SC](#) Related Articles, Links
Effect of alternative glycosylation on insulin receptor processing.
J Biol Chem. 1999 Aug 6;274(32):22813-20.
PMID: 10428866 [PubMed - indexed for MEDLINE]

 52: [Chen J, Song JL, Zhang S, Wang Y, Cui JDE, Wang CC](#) Related Articles, Links
Chaperone activity of DsbC.
J Biol Chem. 1999 Jul 9;274(28):19601-5.
PMID: 10391895 [PubMed - indexed for MEDLINE]

 53: [Rouard M, Bass J, Grigorescu F, Garrett TP, Ward CW, Lipkind G, Jaffiole C, Steiner DF, Bell GI](#) Related Articles, Links
Congenital insulin resistance associated with a conformational alteration in a conserved beta-sheet in the insulin receptor L1 domain.
J Biol Chem. 1999 Jun 25;274(26):18487-91.
PMID: 10373457 [PubMed - indexed for MEDLINE]

 54: [Akhtar NJ, Sun TX, Liang JJ](#) Related Articles, Links
Conformational study of N(epsilon)-(carboxymethyl)lysine adducts of recombinant alpha-crystallins.
Curr Eye Res. 1999 Apr;18(4):270-6.
PMID: 10372986 [PubMed - indexed for MEDLINE]

 55: [Bova MP, Yaron O, Huang Q, Ding L, Haley DA, Stewart PL, Horwitz J](#) Related Articles, Links
Mutation R120G in alphaB-crystallin, which is linked to a desmin-related myopathy, results in an irregular structure and defective chaperone-like function.
Proc Natl Acad Sci U S A. 1999 May 25;96(11):6137-42.
PMID: 10339554 [PubMed - indexed for MEDLINE]

 **56:** Bhattacharyya J, Das KP. [Related Articles](#) [Links](#)
 Molecular chaperone-like properties of an unfolded protein, alpha(s)-casein.
J Biol Chem. 1999 May 28;274(22):15505-9.
PMID: 10336443 [PubMed - indexed for MEDLINE]

 **57:** Yang H, Huang S, Dai H, Gong Y, Zheng C, Chang Z. [Related Articles](#) [Links](#)
 The Mycobacterium tuberculosis small heat shock protein Hsp16.3 exposes hydrophobic surfaces at mild conditions: conformational flexibility and molecular chaperone activity.
Protein Sci. 1999 Jan;8(1):174-9.
PMID: 10210195 [PubMed - indexed for MEDLINE]

 **58:** Zhang H, Kelley WL, Chamberlain LH, Burgoine RD, Lang J. [Related Articles](#) [Links](#)
 Mutational analysis of cysteine-string protein function in insulin exocytosis.
J Cell Sci. 1999 May;112 (Pt 9):1345-51.
PMID: 10194413 [PubMed - indexed for MEDLINE]

 **59:** Dhir P, Akhtar NJ, Sun TX, Liang JJ. [Related Articles](#) [Links](#)
 Photooxidized products of recombinant alpha A-crystallin and W9F mutant.
Photochem Photobiol. 1999 Mar;69(3):329-35.
PMID: 10089824 [PubMed - indexed for MEDLINE]

 **60:** Minuth T, Henn M, Rutkay K, Andra S, Frey G, Rachel R, Stetter KO, Jaenicke R. [Related Articles](#) [Links](#)
 The recombinant thermosome from the hyperthermophilic archaeon *Methanopyrus kandleri*: in vitro analysis of its chaperone activity.
Biol Chem. 1999 Jan;380(1):55-62.
PMID: 10064137 [PubMed - indexed for MEDLINE]

 **61:** van de Klundert FA, Smulders RH, Gijsen ML, Lindner RA, Jaenicke R, Carver JA, de Jong WW. [Related Articles](#) [Links](#)
 The mammalian small heat-shock protein Hsp20 forms dimers and is a poor chaperone.
Eur J Biochem. 1998 Dec 15;258(3):1014-21.
PMID: 9990320 [PubMed - indexed for MEDLINE]

 **62:** Scheibel T, Siegmund HL, Jaenicke R, Ganz P, Lilie H, Buchner J. [Related Articles](#) [Links](#)
 The charged region of Hsp90 modulates the function of the N-terminal domain.
Proc Natl Acad Sci U S A. 1999 Feb 16;96(4):1297-302.
PMID: 9990018 [PubMed - indexed for MEDLINE]

 **63:** Perrone L, Telli G, Di Lauro R. [Related Articles](#) [Links](#)
 Calreticulin enhances the transcriptional activity of thyroid transcription factor-1 by binding to its homeodomain.
J Biol Chem. 1999 Feb 19;274(8):4640-5.
PMID: 9988700 [PubMed - indexed for MEDLINE]

 **64:** Wang J, Takenchi T, Tanaka S, Kubo SK, Kayo T, Lu D, Takata K, Koizumi A, Izumi T. [Related Articles](#) [Links](#)
 A mutation in the insulin 2 gene induces diabetes with severe pancreatic beta-cell dysfunction in the Mody mouse.
J Clin Invest. 1999 Jan;103(1):27-37.
PMID: 9884331 [PubMed - indexed for MEDLINE]

65: Minuth T, Frey G, Lindner P, Rachel R, Stetter KO, Jaenicke R. [Related Articles](#) [Links](#)
Recombinant homo- and hetero-oligomers of an ultrastable chaperonin from the archaeon *Pyrodictium occultum* show chaperone activity in vitro. *Eur J Biochem.* 1998 Dec 1;258(2):837-45.
PMID: 9874254 [PubMed - indexed for MEDLINE]

66: Lindner RA, Kapur A, Mariani M, Tilmuss SJ, Carver JA. [Related Articles](#) [Links](#)
Structural alterations of alpha-crystallin during its chaperone action. *Eur J Biochem.* 1998 Nov 15;258(1):170-83.
PMID: 9851707 [PubMed - indexed for MEDLINE]

67: Roher N, Miro F, Jose M, Trujillo R, Plana M, Itarte E. [Related Articles](#) [Links](#)
Protein kinase CK2 is altered in insulin-resistant genetically obese (fa/fa) rats. *FEBS Lett.* 1998 Oct 23;437(3):211-5.
PMID: 9824292 [PubMed - indexed for MEDLINE]

68: Gabreels BA, Swaab DF, de Kleijn DP, Dean A, Seidah NG, Van de Loo JW, Van de Ven WJ, Martens GJ, Van Leeuwen FW. [Related Articles](#) [Links](#)
The vasopressin precursor is not processed in the hypothalamus of Wolfram syndrome patients with diabetes insipidus: evidence for the involvement of PC2 and 7B2. *J Clin Endocrinol Metab.* 1998 Nov;83(11):4026-33.
PMID: 9814487 [PubMed - indexed for MEDLINE]

69: Richarme G. [Related Articles](#) [Links](#)
Protein-disulfide isomerase activity of elongation factor EF-Tu. *Biochem Biophys Res Commun.* 1998 Nov 9;252(1):156-61.
PMID: 9813162 [PubMed - indexed for MEDLINE]

70: Guha S, Manna TK, Das KP, Bhattacharyya B. [Related Articles](#) [Links](#)
Chaperone-like activity of tubulin. *J Biol Chem.* 1998 Nov 13;273(46):30077-80.
PMID: 9804759 [PubMed - indexed for MEDLINE]

71: Bhattacharyya J, Das KP. [Related Articles](#) [Links](#)
Alpha-crystallin does not require temperature activation for its chaperone-like activity. *Biochem Mol Biol Int.* 1998 Oct;46(2):249-58.
PMID: 9801793 [PubMed - indexed for MEDLINE]

72: de la Rosa EJ, Vega-Nunez E, Morales AV, Serna J, Rubio E, de Pablo F. [Related Articles](#) [Links](#)
Modulation of the chaperone heat shock cognate 70 by embryonic (pro) insulin correlates with prevention of apoptosis. *Proc Natl Acad Sci U S A.* 1998 Aug 18;95(17):9950-5.
PMID: 9707581 [PubMed - indexed for MEDLINE]

73: Rao CM, Raman B, Ramakrishna T, Rajaraman K, Ghosh D, Datta S, Trivedi VD, Sukhaswami MB. [Related Articles](#) [Links](#)
Structural perturbation of alpha-crystallin and its chaperone-like activity. *Int J Biol Macromol.* 1998 May-Jun;22(3-4):271-81. Review.
PMID: 9650082 [PubMed - indexed for MEDLINE]

74: Horwitz J, Bova M, Huang QL, Ding L, Yaron O, Lowman S. [Related Articles](#) [Links](#)
Mutation of alpha B-crystallin: effects on chaperone-like activity. *Int J Biol Macromol.* 1998 May-Jun;22(3-4):263-9.
PMID: 9650081 [PubMed - indexed for MEDLINE]

 **75:** Bass J, Chiu G, Argon Y, Steiner DE. [Related Articles](#) [Links](#)
Folding of insulin receptor monomers is facilitated by the molecular chaperones calnexin and calreticulin and impaired by rapid dimerization. *J Cell Biol.* 1998 May 4;141(3):637-46.
PMID: 9566965 [PubMed - indexed for MEDLINE]

 **76:** Horwitz J, Huang QL, Ding L, Bova MP. [Related Articles](#) [Links](#)
Lens alpha-crystallin: chaperone-like properties. *Methods Enzymol.* 1998;290:365-83. No abstract available.
PMID: 9534176 [PubMed - indexed for MEDLINE]

 **77:** Lee JS, Samejima T, Liao JH, Wu SH, Chiou SH. [Related Articles](#) [Links](#)
Physiological role of the association complexes of alpha-crystallin and its substrates on the chaperone activity. *Biochem Biophys Res Commun.* 1998 Mar 17;244(2):379-83.
PMID: 9514930 [PubMed - indexed for MEDLINE]

 **78:** Scheibel T, Weikl T, Buchner J. [Related Articles](#) [Links](#)
Two chaperone sites in Hsp90 differing in substrate specificity and ATP dependence. *Proc Natl Acad Sci U S A.* 1998 Feb 17;95(4):1495-9.
PMID: 9465043 [PubMed - indexed for MEDLINE]

 **79:** Dai Y, Wang C. [Related Articles](#) [Links](#)
A mutant truncated protein disulfide isomerase with no chaperone activity. *J Biol Chem.* 1997 Oct 31;272(44):27572-6.
PMID: 9346892 [PubMed - indexed for MEDLINE]

 **80:** Tager M, Kroning H, Thiel U, Ansorge S. [Related Articles](#) [Links](#)
Membrane-bound proteindisulfide isomerase (PDI) is involved in regulation of surface expression of thiols and drug sensitivity of B-CLL cells. *Exp Hematol.* 1997 Jul;25(7):601-7.
PMID: 9216735 [PubMed - indexed for MEDLINE]

 **81:** Das BK, Liang JJ, Chakrabarti B. [Related Articles](#) [Links](#)
Heat-induced conformational change and increased chaperone activity of lens alpha-crystallin. *Curr Eye Res.* 1997 Apr;16(4):303-9.
PMID: 9134318 [PubMed - indexed for MEDLINE]

 **82:** Sun TX, Das BK, Liang JJ. [Related Articles](#) [Links](#)
Conformational and functional differences between recombinant human lens alphaA- and alphaB-crystallin. *J Biol Chem.* 1997 Mar 7;272(10):6220-5.
PMID: 9045637 [PubMed - indexed for MEDLINE]

 **83:** Zheng WD, Quan H, Song JI, Yang SI, Wang CC. [Related Articles](#) [Links](#)
Does DsbA have chaperone-like activity? *Arch Biochem Biophys.* 1997 Jan 15;337(2):326-31.
PMID: 9016829 [PubMed - indexed for MEDLINE]

 **84:** Plater ML, Goode D, Crabbe MJ. [Related Articles](#) [Links](#)
Effects of site-directed mutations on the chaperone-like activity of alphaB-crystallin. *J Biol Chem.* 1996 Nov 8;271(45):28558-66.
PMID: 8910485 [PubMed - indexed for MEDLINE]

85: Samuelsson E, Uhlen M. Related Articles, Links
Chaperone-like effect during in vitro refolding of insulin-like growth factor I using a solubilizing fusion partner. Ann N Y Acad Sci. 1996 May 15;782:486-94. PMID: 8659919 [PubMed - indexed for MEDLINE]

86: Zachayus JL, Benatmane S, Pias C. Related Articles, Links
Role of Hsp70 synthesis in the fate of the insulin-receptor complex after heat shock in cultured fetal hepatocytes. J Cell Biochem. 1996 May;61(2):216-29. PMID: 9173085 [PubMed - indexed for MEDLINE]

87: de Crouy-Chanel A, Kohiyama M, Richarne G. Related Articles, Links
A novel function of Escherichia coli chaperone DnaJ. Protein-disulfide isomerase. J Biol Chem. 1995 Sep 29;270(39):22669-72. PMID: 7559385 [PubMed - indexed for MEDLINE]

88: Das KP, Surewicz WK. Related Articles, Links
Temperature-induced exposure of hydrophobic surfaces and its effect on the chaperone activity of alpha-crystallin. FEBS Lett. 1995 Aug 7;369(2-3):321-5. PMID: 7649280 [PubMed - indexed for MEDLINE]

89: Chaudhuri B, Stephan C, Huijbregts RP, Martens GJ. Related Articles, Links
The neuroendocrine protein 7B2 acts as a molecular chaperone in the in vitro folding of human insulin-like growth factor-1 secreted from yeast. Biochem Biophys Res Commun. 1995 Jun 15;211(2):417-25. PMID: 7794252 [PubMed - indexed for MEDLINE]

90: Raman B, Ramakrishna T, Rao CM. Related Articles, Links
Temperature dependent chaperone-like activity of alpha-crystallin. FEBS Lett. 1995 May 29;365(2-3):133-6. PMID: 7781765 [PubMed - indexed for MEDLINE]

91: Schmitz A, Maintz M, Kehle T, Herzog V. Related Articles, Links
In vivo iodination of a misfolded proinsulin reveals co-localized signals for Bip binding and for degradation in the ER. EMBO J. 1995 Mar 15;14(6):1091-8. PMID: 7720700 [PubMed - indexed for MEDLINE]

92: Szanto I, Gergely P, Marcsek Z, Banyasz T, Somogyi J, Csermely P. Related Articles, Links
Changes of the 78 kDa glucose-regulated protein (grp78) in livers of diabetic rats. Acta Physiol Hung. 1995;83(4):333-42. PMID: 8863896 [PubMed - indexed for MEDLINE]

93: Yang C, Slepnev VI, Goud B. Related Articles, Links
Rab proteins form in vivo complexes with two isoforms of the GDP-dissociation inhibitor protein (GDI). J Biol Chem. 1994 Dec 16;269(50):31891-9. PMID: 7989364 [PubMed - indexed for MEDLINE]

94: Miles MF, Wilke N, Elliot M, Tanner W, Shah S. Related Articles, Links
Ethanol-responsive genes in neural cells include the 78-kilodalton glucose-regulated protein (GRP78) and 94-kilodalton glucose-regulated protein

(GRP94) molecular chaperones.

Mol Pharmacol. 1994 Nov;46(5):873-9.

PMID: 7969074 [PubMed - indexed for MEDLINE]

95: [Samuelsson E, Moks T, Nilsson B, Uhlen M.](#)

[Related Articles](#), [Links](#)

Enhanced in vitro refolding of insulin-like growth factor I using a solubilizing fusion partner.

Biochemistry. 1994 Apr 12;33(14):4207-11.

PMID: 8155636 [PubMed - indexed for MEDLINE]

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